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Outagamie County Municipal Separate Storm Sewer System Annual Report for WI Permit #S050075-3 Reporting Year: 2023

March 26, 2024

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1. Annual Report Submittal Requirements

Annual Reporting Requirements of WPDES-WI-S050075:

- The status of implementing the permit requirements, status of meeting measurable program goals, and compliance with permit schedules.
    a. *Outagamie County has outlined their compliance plan, submitted to the WDNR in March of 2021.*
- A fiscal analysis which includes the annual expenditures and budget for the reporting year, and the budget for the next year.
    a. *See section 13.*
- A summary of the number and nature of inspections and enforcement actions conducted to ensure compliance with the required ordinances.
    a. *See sections 5, 6, 7, & 8.*
- Identification of any known water quality improvements or degradation in the receiving water to which the permittee's MS4 discharges. Where degradation is identified, identify why and what actions are being taken to improve the water quality of the receiving waters.
    a. *Outagamie County Staff did not identify any improvements or degradation as we prepared this annual report.*
- An evaluation of program compliance, the appropriateness of identified BMPs, and progress towards achieving identified measurable goals. Any program changes made as a result of this evaluation shall be identified and described in the annual report. For any identified deficiencies towards achieving the requirements under section 2 of this permit or lack of progress towards meeting a measurable goal, the permittee shall initiate program changes to improve their effectiveness.
    a. *Outagamie County will provide details as we prepare for the 2024-2029 permit cycle.*
- If applicable, notice that the permittee is relying on another municipality or entity to satisfy any of the permit requirements and a description of the arrangement where a permit requirement is being met in this manner.
    a. *Outagamie County has a municipal agreement with the City of Appleton and is a member of Northeast Wisconsin Stormwater Consortium (NEWSC).*
- A duly authorized representative of the permittee shall sign and certify the annual report and include a statement or resolution that the permittee's governing body or delegated representatives have reviewed or been apprised of the content of the annual report.

a. *Outagamie County will hold a public hearing on March 26, 2023 in regards to this annual report.*

In addition to the above, the following information is being provided.

Public Education and Outreach – Annual Report Summary	Included in Section 3
Public Involvement and Participation – Annual Report Summary	Included in Section 4
Stormwater Consortium/Group Report	Included in Sections 3 & 4
Illicit Discharge Detection & Elimination – Annual Report Summary	Included in Section 5
Construction Site Pollution Control – Annual Report Summary	Included in Section 6
Post Construction Storm Water Management – Annual Report Summary	Included in Section 7
Municipal Facility Inspections	Included in Section 8 & Attached
Pollution Prevention – Annual Report Summary	Included in Section 8
Winter Road Maintenance – Annual Report Summary	Included in Section 8 & Attached
Storm Water Quality Management – Annual Report Summary	Included in Section 10

List of Attachments:

- Highway SWPPP Inspections Report
- Winter Road Maintenance Summary
- Highway Department Salt Use Reduction Training
- Highway Improvement Projects
- CTH AA (Bluemound) Pond Inspection Report
- Highway Department Summary
- Adopt-A-Hwy and Adopt-A-Roundabout
- Highway Sweeping Reports
- NEWSC Annual Report
- IDDE Ongoing Screening Summary Report
- LCD Social Media Report
- LCD Summary
- LCD Permitted Projects Report
- Parks Department Summary Report
- Fox Valley Pop Warner Nutrient Management
- Grand Chute Baseball Nutrient Management
- Recycling and Solid Waste HHW Collection Events Brochure
- Recycling and Solid Waste HHW Collection Events Summary
- Recycling and Solid Waste Social Media Postings
- IDDE Written Program Update
- Public Reporting of Illicit Discharge/Spills
- Construction Site Erosion Control Written Program Update
- SWPPP Written Program Update

2. Introduction

Outagamie County is a permitted MS4 community and is required to comply with certain permit requirements. Wisconsin DNR Permit #S050075-3 outlines the requirements of the permit and also requires submittal of an annual report. This report will provide information showing that Outagamie County strives to meet the permit requirements while providing additional details and data.

Outagamie County Development and Land Services (DLS) Department experienced more staff transition in the year 2023. Throughout the year, five new positions/promotions took place. By fall of 2023, the DLS Department was once again fully staffed and everyone is functioning smoothly in their new roles.

Throughout the past year, a new inspection program began its early stages and additional programs/tasks were completed and enhanced. The new program is a Stormwater Facilities Inspection program to take inventory and status of all stormwater treatment devices in subdivisions throughout the County. This new program is only in the beginning stages, however the ultimate goal is to provide the Townships more information on the condition and functionality of the existing stormwater facilities. Another achievement in 2023 was the adoption of the Chapter 43 Illicit Discharge Detection and Elimination Ordinance. The ordinance was drafted by DLS staff with a review group consisting of DNR and various County Departments, including Highway, Land Conservation, and Corporation Counsel.

3. Public Education and Outreach

Outagamie County is a member of the Northeast Wisconsin Stormwater Consortium (NEWSC). This group consists of many MS4 permitted members and other entities, and strives to provide Public Education and Outreach for its members. The consortium submits a separate annual report to the Wisconsin Department of Natural Resources which outlines all of the activities for the permitting year. The Outagamie County annual report will highlight those NEWSC activities which benefitted County residents.

In addition to being involved in the Northeast Wisconsin Stormwater Consortium, Outagamie Staff provides a majority of its public education and outreach on a one-on-one basis when working with a variety of people or entities during development projects. Educating the public during one-on-one conversations can stem from many County departments, such as Development and Land Services, Highway, Land Conservation, Parks, Solid Waste, along with many others.

Even though most of the urbanized area within the County is located in other MS4 permitted communities, many of the ordinances required by our MS4 permit have been adopted County-wide. As such, County staff are routinely involved in many development projects which presents numerous opportunities to educate the public through the permitting process outside of the MS4 Urbanized Area.

It should be noted in regards to Public Outreach and Education, Outagamie County does not have a separate school district and therefore relies on outreach and education to the school districts within the MS4 Urbanized Area.

NEWSC's active participation outreach and education programming for 2023 was a very active year. The consortium performed School Presentations, Exhibiting, Community Presentations, Cleanup Challenges,

the Fox-Wolf Watershed Alliance Annual Cleanup Event, the Fox-Wolf Watershed Alliance Annual Conference, and Chloride Monitoring events. NEWSC has also adapted its programming to include the use of virtual methods. NEWSC's passive outreach and education programming consisted of social media posts across their multiple platforms. Since the stormwater consortium works within multiple Counties in the Northeast region of the state, many of the target audiences include residents of Outagamie County. More information on the Northeast Wisconsin Stormwater Consortium's 2023 activities can be found in the 2023 NEWSC Annual Report which has been submitted to the WDNR.

Outagamie County also provides Outreach and Education Activities to supplement the activities performed by NEWSC. Various departments have submitted reports detailing their efforts for 2023.

- Outagamie County Land Conservation Department provided the public with many educational opportunities. Offered in 2023 was the Farmer Roundtable discussions in conjunction with the Winnebago Waterways Program. This event gathered numerous attendees ranging from farmers, agencies, crop consultants, and more. Other methods of education stemmed from posts on their Facebook page to interactions with land owners during their watershed restoration projects. A list of the Facebook posts from 2023 can be found in the attachments.
- Outagamie County Development and Land Services (DLS) Department utilized their website to provide monthly infographics related to stormwater pollution and prevention. The DLS department is also working on additional methods to provide information to the public.

4. Public Involvement and Participation

The Northeast Wisconsin Stormwater Consortium also provides Public Involvement and Participation opportunities for its MS4 permitted members. Opportunities to become involved include many of the activities performed by NEWSC such as Exhibiting Events, School Presentations, Chloride Monitoring Program, and the Fox-Wolf Watershed Alliance Annual Cleanup. Events that took place within MS4 permitted communities within Outagamie County would also benefit the County MS4 permitting requirements.

The Fox-Wolf Watershed Alliance Annual Cleanup event took place on May 6th, 2023. This event included volunteers actively cleaning up various shoreland sites within the MS4 Urbanized Area of Outagamie County. The event included approximately 1,600 volunteers at over 65 public sites within the watershed. Additional information regarding NEWSC's 2023 activities can be found in the 2023 NEWSC Annual Report.

Outagamie County also provides opportunities to the general public, outside of those listed by NEWSC. The following departments have submitted reports that outline their activities in 2023. See each department report for specifics.

- Outagamie County Recycling and Solid Waste Department (Household Hazardous Waste Collections). There were seven different collection events held for 2023.
- Outagamie County Highway Department (Adopt-a-Highway/Roundabout)
- Outagamie County Land Conservation Department held the 57th Annual Conservation Field Days in 2023. The event took place on September 26-28, 2023. The event gathered 869 fifth and

sixth grade students from the Appleton area to learn about 9 different conservation topics, including a water station focusing on urban stormwater and agricultural stormwater runoff.

The Outagamie County Agriculture, Extension Education, Zoning, and the Land Conservation Committee provided the public with opportunities through public hearings on MS4 topics at regularly scheduled committee meetings in 2023.

Additional information on the committee's public hearings and permits can be found on the following County websites:

- County Permits
- County GIS Maps
- Committee Meeting Materials

It should be noted that the committee not only acts on ordinance changes and modifications, but also acts on certain permits that are tied to ordinances required by the MS4 permit, such as Conditional Use Permits, which include Construction Site Pollutant Control as a consideration during the approval/denial process. Further, the committee addresses Post Construction Stormwater Management and Construction Site Pollutant Control issues through the subdivision and platting process.

It should also be noted that since there are many other MS4 permitted communities within Outagamie County, any public involvement and participation events performed by these entities are benefitting Outagamie County residents.

5. Illicit Discharge and Detection

Outagamie County contracted with Westwood Professional Services in 2023 to conduct the annual outfall screenings for compliance with the County IDDE Program and Screening Plan.

Westwood's ongoing screening summary report (dated January 30, 2024) for the 2023 inspection year will be attached.

Outagamie County has identified 297 total outfalls within the MS4 Urbanized Area that fall under the Counties MS4 Permit authority. These outfalls are within County road right-of-way within the Urbanized Area or are adjacent to the Urbanized Area but drain into the Urbanized Area.

Westwood inspected 50 of the 297 (17%) of the identified outfalls in 2023 according to the Counties IDDE Screening Program and Plan. The following is a list of screening results:

- Of the 50 MS4 outfalls screened, 35 outfalls were screened for the first time.
- 44 outfalls were characterized as unlikely to have an illicit discharge
- 6 outfalls were characterized as a potential illicit discharge.
- No outfalls were characterized as an obvious/confirmed illicit discharge.
- No confirmed illicit discharges were eliminated.

Outfall ID	2022 Screening Results Conductivity & PH Levels	2022 Actions	2023 Screening Results Conductivity	2024 Actions
CE-45	2,020 µS/cm 7.86	N/A	3,140 µS/cm	Priority Outfall; Rescreen
CE-47			2,970 µS/cm	Rescreen
CE-48			2,520 µS/cm	Rescreen
N-34			3,910 µS/cm	Rescreen
N-36			2,630 µS/cm	Rescreen
N-40			2,860-2,640 µS/cm	Rescreen

Outagamie County did not respond to any illicit discharges in the MS4 area in 2023.

6. Construction Site Pollutant Control

Outagamie County continues to implement, administer, and enforce its Construction Site Erosion Control Ordinance. A Construction Site Erosion Control Ordinance Reference Guide was also made part of the ordinance adoption. This ordinance was adopted County-wide, however some townships have adopted and enforce their own regulations - Town of Grand Chute and the Town of Buchanan. In addition to the Construction Site Erosion Control Ordinance, the County issues various other permits that involve erosion control components, such as Shoreland Zoning, Conditional Use, Airport, and Stormwater Permits.

Outagamie County issued 254 Zoning Permits (Airport, Erosion Control, Shoreland, and Stormwater) in 2023. A report was generated from our online permit portal, CityView, to determine these numbers.

Here is a breakdown of the permits that were issued within MS4 permitted jurisdictions:

Permit Type*				
Jurisdiction	**Erosion Control**	**Stormwater**	**Shoreland**	**Airport**
Town of Buchanan	N/A	N/A	2	N/A
Town of Grand Chute	N/A	N/A	34	11
Village of Greenville	N/A	N/A	N/A	3
Town of Vandenbroek	9	11	6	N/A

*Note: Staff verified whether any of these permits were within the Urbanized Area and verified that there were no projects, greater than 1-acre of land disturbance and/or greater than 20,000 ft² of impervious surface within the Counties MS4 Urbanized Area.

Permits are not required for all filling/grading projects within the Counties jurisdiction of the MS4 Urbanized Area. Therefore, the County cannot determine the total number of active construction sites in any given year.

County Staff completed 954 Erosion Control Inspections in 2023. In addition to these inspections, staff performed Shoreland, Floodplain, and Wetland inspections throughout the year

The County did not issue any Erosion Control Permits in 2023 within the Counties MS4 Permitted area (Urbanized Area) for any project over 1-acre in size.

Outagamie County Highway Department did not conduct any work within the MS4 area which required DNR permitting in 2023.

7. Post-Construction Stormwater Management

Outagamie County continues to implement, administer, and enforce its Post-Construction Stormwater Management Ordinance, which was originally adopted in 2004. A Post-Construction Stormwater Management Ordinance reference guide is also referenced by the ordinance and made part of the ordinance adoption. Although the ordinance was adopted Countywide, some towns within the County have adopted and enforce their own ordinances. These towns/villages are typically other MS4 permitted entities such as the Village of Greenville, Town of Grand Chute, and Town of Buchanan which have jurisdictional areas within the MS4 Urbanized Area. The only township lying within the MS4 Urbanized Area that Outagamie County issues Stormwater Permits in is the Town of Vandenbroek.

Outagamie County staff performed 687 Stormwater Permit Inspections in 2023 in addition to other inspections that were noted in section 6.

The County did not issue any Stormwater Permits for any projects with over 20,000 ft^2 of impervious surfaces within the Counties MS4 Permitted area (Urbanized Area) in 2023.

Outagamie County will be working towards meeting the requirements of the MS4 permit (issued in 2019). This work will include a private stormwater facilities list for those BMP's within the MS4 Urbanized Area. In addition, the County will coordinate with other MS4 communities within the County Urbanized Area to verify that all stormwater facilities are being accounted for.

The County has the following abilities to enforce the Post Construction Stormwater Management Ordinance provisions, as outlined in the ordinance.

- Verbal warnings
- Written warnings
- Notice of Violations
- Civil Penalties
- Completion of maintenance activities and billing responsible party

8. Pollution Prevention

Outagamie County has identified the following facilities within the MS4 Urbanized area. These facilities are owned and managed by the County.

Property/Facility	Permit & Reporting Information
Outagamie County Regional Airport	WPDES Industrial Permit #S067857
Outagamie County Landfill	WPDES Industrial Permit #S067857
Outagamie County Highway Department Various BMP's	WPDES Stormwater Permit #WI-S050075-3 Stormwater Pollution Prevention Plan adopted in 2021
Bluemound Pond (CTH AA)	WPDES Stormwater Permit #WI-S050075-3
Bluemound Detention System	WPDES Stormwater Permit #WI-S050075-3
Lynndale Pond	WPDES Stormwater Permit #WI-S050075-3
County Road CA East Detention	WPDES Stormwater Permit #WI-S050075-3
County Road CA West Detention	WPDES Stormwater Permit #WI-S050075-3
McCarthy Pond	WPDES Stormwater Permit #WI-S050075-3
Atlantis Detention	WPDES Stormwater Permit #WI-S050075-3
Brewster Street Complex	Facility pays stormwater fees to Town of Grand Chute
Outagamie County Courthouse Complex	Facility pays stormwater fees to the City of Appleton

Outagamie County does not currently have an inspections program for its municipally owned BMP's. The County is currently working on plans to incorporate an inspections and maintenance program in order to meet the requirements of the 2019 - 2024 MS4 Permit. In order to meet the requirements, the County has identified the following facilities.

ID#	Facility Name	Type of Facility	Year Built	As-Built Plans	O & M Plans
A1	Lynndale Pond	SW Pond	2011	A-29	No
AA1	Bluemound Pond (CTH AA)	SW Pond	2013	AA-8	No
AA2	Bluemound Detention System	Underground Detention	2013	AA-8	No
CA1	CA East Detention	Underground Detention	2020	CA-11	No
CA2	CA West Detention	Underground Detention	2020	CA-11	No
CA3	McCarthy Pond	SW Pond	2020	CA-11	No
CB1	Atlantis Detention	Underground Detention	2019	CB-23	No
HS	Highway Shop	Various	1988	1988 Plans	No

Outagamie County has a total of 604 County owned lane miles. There are 165.8 lane miles (27.4%) within the MS4 Urbanized Area. The County currently has a Memorandum of Understanding (MOU) with the City of Appleton which outlines routine maintenance activity responsibilities. Additional agreements with other municipalities are being pursued. Due to the current and future agreements, the County responsibilities may vary and change.

Outagamie County continued its street sweeping program in 2023. Reported numbers in the e-reporting system accounts for materials that were collected Countywide (180 tons) with the exception of those lane miles maintained by the City of Appleton under an agreed upon MOU. Program staff are working on ways to collect data for only the MS4 Urbanized area for future reports. Collected material is disposed of according to the Stormwater Pollution Prevention Plan, adopted in 2020.

Outagamie County does not have a catch basin sump cleaning program. We are currently working on identifying any catch basins that would need periodic cleaning in an effort to determine if a program is needed. The County is currently reporting this as “not applicable”.

Outagamie County will continue to work with the City of Appleton under an agreement which outlines many Pollution Prevention programs and responsibilities. Additional information regarding these programs and activities will be provided in future annual reports.

Outagamie County did not enter into any additional maintenance agreements with any other local municipalities in 2023. Outagamie County continues to work on additional agreements. In 2023, additional discussions were had with the City of Kaukauna and Town of Grand Chute.

Outagamie County does not have a leaf collection program.

Outagamie County continues to implement its Winter Road Maintenance Program. Gallons of brine and tons of salt utilized on the County owned and maintained lane miles within the MS4 Urbanized Area are shown in the attached summary report.

Outagamie County adopted a SWPPP for the County Highway Facility in 2020 and performed inspections in 2023. Inspections reports can be found in the attached 2023 Highway SWPPP Inspections Reports document.

9. Storm Sewer Mapping

The official Outagamie County Stormwater Map was last updated in 2023 by Westwood. The updated map includes an up-to-date list of outfalls, municipalities, stream types, and the category of each outfall.

10. Stormwater Quality Management and TMDL Report

Outagamie continues to maintain its storm sewer system which is mainly comprised of vegetated swales along County owned right-of-way. Maintenance activities mainly include mowing, reseeding, dredging, and outfall inspections and upkeep. In addition, the County also continues maintenance activities at its stormwater facilities. There are many additional stormwater ponds, owned by the City of Appleton, that are utilized by the County stormwater system. These ponds should be included in the City of Appleton's annual report narrative and modeling results. As a result of the MOU with the City of Appleton, Outagamie County is not including these ponds in our modeling or reporting.

A stormwater modeling and report was submitted along with the 2019 annual report. The County did submit the required Stormwater Modeling/TMDL Compliance Plan update in October 2023.

Below is a table of Outagamie County Highway Projects that will affect Stormwater Quality Management in 2023:

Project Name	Status	Comments
CTH CE (Railroad St. Intersection)	Future Project	Preliminary plan set drafted
*CTH RD JJ (CTH N to HWY 55)	Completed	Final plan set drafted
CTH N (CTH CE to CTH KK)	Future	Plan set drafted
CTH OO (Traffic signals, OO and Roemer)	Completed	Plan set drafted
*CTH OO (OO and French Intersection)	Future	Preliminary plan set drafted

* As-built plans for completed projects will be included in future stormwater modeling.

11. Agreements & Memorandum's of Understanding (MOU)

Outagamie County entered into an agreement with the City of Appleton in 2019. The agreement outlines the responsible parties for various activities relating to County owned rights-of-way within the City of Appleton, subject to MS4 permit requirements, and being part of the Urbanized Area.

No additional agreements or MOU's were signed in 2023.

12. Municipal Employee Trainings

Outagamie County Department of Development and Land Services (DLS)

DLS Staff was involved in many training opportunities and meetings throughout 2023:

- MS4 Management Team Meetings: 9/28/2023
- MS4 Audit: 11/16/2023
- NEWSC Building and Development Committee Meetings: 1/22/2023, 3/22/2023, 5/10/2023, 7/12/2023, 9/13/2023, and 11/8/2023
- Fox-Wolf Watershed Alliance Annual Conference: 2/28/2023 and 3/1/2023
- NEWSC TMDL Half-day Workshop: 9/14/2023
- NEWSC Full Consortium Meetings: 5/8/2023 and 11/13/2023

Outagamie County Highway Department

County Highway Staff completed an internal discussion/training on Salt Use Reduction in Winter Maintenance in 2023. The information presented to the Field Staff will be available in the attachments. Additionally, Highway Staff attended the Annual Fox-Wolf Watershed Alliance Conference and the TMDL Half-Day Workshop in 2023.

County Seasonal Staff received training in regards to mowing and maintenance of roadside rights-of-way.

13. Fiscal Analysis

Outagamie County fiscal analysis of the 2023 MS4 program includes the following data and notes.

Element	Allocated 2023	Actual 2023	Notes	2024 Budget
Expenditures				
Public Ed. & Outreach Public Inv. & Part.	$2,500.00	$2,500.00	NEWSC Membership Dues	$2,600.00
IDDE Program	$6,500.00	$0.00	Contracted Services	$7,800.00
Pollution Prevention	$5,000.00	[1]	SWPPP-HWY Shop (Maintenance & Inspections)	$5,000.00
SW Quality Modeling & Storm Sewer Mapping	$10,000.00	$12,248.25	Contracted Services (Westwood Engineering)	$10,000.00
Revenue				
Construction Site E/C	$3,000.00	$0.00	Based on permit projections in MS4 UA	$2,000.00
Post-Construction SW Management	$3,000.00	$0.00	Based on permit projections in MS4 UA	$2,000.00

Note[1]: Actual expenditures (2023) were not tracked at this level of granularity. Per commination with the Highway Department, the 'Pollution Prevention' expenditures derive from the drainage portion of Highway's General Maintenance Budget. The DLS and Highway departments will evaluate an approach to track this budget line item separately for the 2024 annual report.

The County and department budget does not currently break out many expenses for the MS4 Permit. In addition, the budgets do not currently account for only those funds which are expended within the MS4 Urbanized Area. Staff projected the amounts based on invoices and spending, but notes the following deficiencies:

- Budgeted amounts do not include:
  - Staff time
  - Use of Winter Road Maintenance additives (sand, salt, brine)
  - County paid Stormwater Utility Fees
  - Other misc. funds

In addition, Outagamie County contracts for certain services, which include: Stormwater Management Plan review, Erosion Control and Stormwater Site Plan Review, IDDE program implementation, Stormwater Quality Management Planning and Analysis, and Storm Sewer System Mapping. Because the County ordinances are enforced Countywide, department staff will be looking for ways to better track efforts and funding that are associated with lands located within the MS4 permitted area. Currently, these budgeted items account for efforts and funding throughout the County which leaves department staff to interpret and verify those funds that were allocated and spent for MS4 purposes.

14. Annual Report Summary

Outagamie County continues to strive towards meeting the goals of the WDNR WPDES Permit #S050075-3. In addition, staff continues to implement and enforce the programs associated with our permit. The County MS4 Compliance Plan was completed and submitted in March of 2021.

The Outagamie County MS4 program was audited in 2023. The summary report highlighted four sections that needed revisions. These items have been updated and will be submitted with the 2023 Annual Report.

15. Outagamie County Contacts

- Isaac Uitenbroek
    - Development and Land Services: Zoning Administrator
    - Telephone: (920)832-5046
    - Email: isaac.uitenbroek@outagamie.org
- Claire Ebben
    - Development and Land Services: Land Use and Sustainability Specialist
    - Telephone: (920)832-2168
    - Email: claire.ebben@outagamie.org

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Annual Facility Site Compliance Inspection Report (AFSCI)

For Storm Water Discharges Associated With Industrial Activity Under Wisconsin Pollutant Discharge Elimination System (WPDES) Permit

Form 3400-176 (R 5/14)

Notice: This form is authorized by s. NR 216.29(2), Wis. Adm. Code. Submittal of a completed form to the Department is mandatory for industrial facilities covered under a Tier 1 storm water general permit. Facilities covered under a Tier 1 permit are not required to submit AFSCI reports after submittal of the second AFSCI report, unless so directed by the Department. However, these inspections and quarterly visual inspections shall still be conducted and results shall be kept on site for Department inspection. Facilities covered under a Tier 2 storm water general, industry-specific general or individual permit shall keep the results of their AFSCI and quarterly visual inspections on site for Department inspection. Failure to comply with these regulations may result in fines up to $25,000 per day pursuant to s. 283.91, Wis. Stats.

Personally identifiable information on this form may be used for other water quality program purposes.

Please type or clearly print your answers to all questions.

Section I: Facility/Site Information

Facility/Site Name (As Appears on Permit Authorization)	County	
Outagamie County Highway Garage	Outagamie	
Location Address/Description (if different from mailing address below)	**State**	**ZIP Code**
1313 Holland Road	WI	54911
◯ City ◯ Township ⓧ Village of Little Chute	Facility Identification Number (FID) and/or FIN Number if known: FID	FIN GP WI-S050075-3

Section II: Facility/Site Contact Person

Local Contact Person	Mailing Address (if different than site location address)		
Jon Milheiser	1313 Holland Road		
Title	**Municipality (if different than above)**		
Equipment / Facilities Superintendent	Little Chute		
Telephone (include area code)	**State**	**ZIP Code (if different from above)**	
(920) 832-5673	WI	54911	
E-mail address or Website (if applicable)	**Fax (include area code)**		
jon.milheiser@outagamie.org	(920) 832-2032		

Section III: Certification & Signature
(Person attesting to the accuracy and completeness of Annual Facility Site Compliance Inspection Report.)

This form must be signed by an official representative of the permitted facility in accordance with s. NR 216.22(7), Wis. Adm. Code. See instructions on page 4. If this form is not signed, or is found to be incomplete, it will be returned.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative	Telephone Number (include area code)		
	(920) 832-5673		
Type or Print Name	**Company Name**		
Jon Milheiser	Outagamie County Highway Department		
Position Title	**Mailing Address**		
Equipment / Facilities Superintendent	1313 Holland Road		
Date Signed	**Municipality**	**State**	**ZIP Code**
	Little Chute	WI	54911

How to Use this Form:

The first level of storm water monitoring consists of a comprehensive annual facility site compliance inspection (AFSCI) to determine if your facility is operating in compliance with your Storm Water Pollution Prevention Plan (SWPPP). You should use the results of this inspection to determine the extent to which your SWPPP needs to be updated to prevent pollution from new source areas, as well as to correct any inadequacies that the plan may have in handling existing source areas. This first level of monitoring is addressed in Section IV of this Annual Report on page 2.

The second level of storm water monitoring consists of quarterly visual observations of storm water leaving the site during runoff events caused by snow-melt or rainfall. This is a practical, low cost tool for identifying obvious contamination of storm water discharges, and can also help identify which practices are ineffective. The goal of quarterly inspections is to obtain results from a set of four inspections that are distributed as evenly as possible throughout the year and which depict runoff quality during each of the four seasons. This second level of monitoring is addressed in Section V of this Annual Report on page 3.

Section IV: Annual Facility Site Compliance Inspection

The Annual Facility Site Compliance Inspection shall be adequate to verify that: your Storm Water Pollution Prevention Plan (SWPPP) remains current; potential pollution sources at your facility are identified; the facility site map and drainage map remain accurate; and that the Best Management Practices prescribed in your SWPPP are being implemented, properly operated, and adequately maintained.

Name of Person Conducting Inspection	Inspection Date
Jon Milheiser	12/14/2023
Employer	**Telephone Number**
Outagamie County Highway Department	(920) 832-5673

Your inspection should start with a review of your written SWPPP kept at your facility. The SWPPP should be amended if, through these inspections, you find that the provisions in your SWPPP are ineffective in controlling contaminated storm water from being discharged from your facility.

1.	Has your SWPPP been updated to include current Non-Storm Water Discharge Evaluation results?	☐ Yes ☐ No	☑ N/A
2.	Has your SWPPP been amended for any new construction that would affect the site map or drainage conditions at the facility?	☐ Yes ☐ No	☑ N/A
3.	Has your SWPPP been amended for any changes in facility operations that could be identified as new source areas for contamination of storm water?	☐ Yes ☐ No	☑ N/A
4.	Are there any materials at the facility that are handled, stored, or disposed in a manner to allow exposure to storm water that are not currently addressed in your SWPPP?	☐ Yes ☑ No	☐ N/A
5.	Are there any maintenance or material handling activities conducted outdoors that have not been addressed in your SWPPP?	☐ Yes ☑ No	☐ N/A
6.	Are outside areas kept in a neat and orderly condition?	☑ Yes ☐ No	☐ N/A
7.	Are regular housekeeping inspections made?	☑ Yes ☐ No	☐ N/A
8.	Do you see spots, pools, puddles, or other traces of oils, grease, or other chemicals on the ground?	☐ Yes ☑ No	☐ N/A
9.	Are particulates on the ground from industrial operations or processes being controlled?	☑ Yes ☐ No	☐ N/A
10.	Do you see leaking equipment, pipes or containers?	☐ Yes ☑ No	☐ N/A
11.	Do drips, spills, or leaks occur when materials are being transferred from one source to another?	☐ Yes ☑ No	☐ N/A
12.	Are drips or leaks from equipment or machinery being controlled?	☑ Yes ☐ No	☐ N/A
13.	Are cleanup procedures used for spilled solids?	☑ Yes ☐ No	☐ N/A
14.	Are absorbent materials (floor dry, kitty litter, etc.) regularly used in certain areas to absorb spills?	☑ Yes ☐ No	☐ N/A
15.	Can you find discoloration, residue, or corrosion on the roof or around vents or pipes that ventilate or drain work areas?	☐ Yes ☑ No	☐ N/A
16.	Are Best Management Practices implemented to reduce or eliminate contamination of storm water from source areas at the facility?	☑ Yes ☐ No	☐ N/A
17.	Are Best Management Practices adequately maintained?	☑ Yes ☐ No	☐ N/A
18.	Are there significant changes to your SWPPP needed to correct plan inadequacies to effectively control a discharge of contaminated storm water from your facility?	☐ Yes ☑ No	☐ N/A

Comments:

Section V: Quarterly Visual Inspection Reports

Quarterly Visual Inspections at each storm water discharge outfall on your site can be a valuable assessment tool and are required by the Tier 1, Tier 2, and Nonmetallic Mining Industrial Storm Water General Permits. These inspections should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall or soon thereafter as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem. Make any necessary changes to your Storm Water Pollution Prevention Plan as needed. If you were unable to evaluate an outfall during a specific quarter, this should be indicated along with a reason as to why this could not be done.

	Date of Inspection			
Outfall Number	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
OF-001, North side of site, E. of Salt Storage	3/31/2023	6/26/2023	9/26/2023	10/26/2023
OF-002, S. side of site, drains to roadway ditch	3/31/2023	6/26/2023	9/26/2023	10/26/2023
North Stormwater Ditch, N. site boundary	3/31/2023	6/26/2023	9/26/2023	10/26/2023
South Stormwater Ditch, S. site boundary	3/31/2023	6/26/2023	9/26/2023	10/26/2023

Briefly summarize what you found when conducting your Quarterly Visual Inspections. (Include any observations of color, odor, turbidity, floating solids, foam, oil sheen, or any other indications of storm water pollution and the probable sources of any observed storm water contamination.)

All BMPs are being followed. No issues observed.

Instructions

Section I: Facility/Site Information

Provide the name of the facility as it appears on the permit application or permit cover letter and location address. If known, provide the Facility Identification (FID) and/or FIN Number assigned by the WDNR.

Section II: Facility/Site Contact Person

Provide the local contact person information for the facility. The mailing address should be given for the facility contact person if it is different from the facility site location address information.

Section III: Certification & Signature

State Statutes provide for severe penalties for submitting false information on this AFSCI form. State regulations require this form be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of Vice President, or a duly authorized representative having overall responsibility for the operation covered by this permit.
2. For a unit of government, a principal executive officer, a ranking elected official, or other duly authorized representative.
3. For a partnership, by a general partner; for a sole proprietorship, by the proprietor.
4. For a limited liability company, by member or manager.

Section IV: Annual Facility Site Compliance Inspection

Provide the name of the person conducting the inspection, inspection date, name of employer, and telephone number. Check the appropriate box for each of the listed questions and provide explanations in the comment box as needed.

Section V: Quarterly Visual Inspection Reports

Provide the outfall number in the table and the dates of each quarterly visual inspection. Summarize the findings of your visual inspections below the table. Attach additional sheets if needed.

Mailing Address

Unless otherwise directed, mail this completed form to the Wisconsin Department of Natural Resources (WDNR) office associated with the county of the facility site location as follows:

NORTHERN REGION (NOR)			
Ashland	Forest	Price	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
Barron	Iron	Rusk	
Bayfield	Langlade	Sawyer	
Burnett	Lincoln	Taylor	
Douglas	Oneida	Vilas	
Florence	Polk	Washburn	

NORTHEAST REGION (NER)			
Brown	Manitowoc	Shawano	WDNR Northeast Regional Headquarters 2984 Shawano Avenue Green Bay, WI 54313-6727 (920) 662-5100
Calumet	Marinette	Waupaca	
Door	Marquette	Waushara	
Fond du Lac	Menominee	Winnebago	
Green Lake	Oconto		
Kewaunee	Outagamie		

WEST CENTRAL REGION (WCR)			
Adams	Jackson	Pierce	WDNR Baldwin Service Center 890 Spruce Street Baldwin, WI 54002 715-684-2914 ext. 109
Buffalo	Juneau	Portage	
Chippewa	La Crosse	St. Croix	
Clark	Marathon	Trempealeau	
Crawford	Monroe	Vernon	
Dunn	Pepin	Wood	
Eau Claire			

SOUTH CENTRAL REGION (SCR)			
Columbia	Green	Richland	WDNR South Central Regional Headquarters 3911 Fish Hatchery Road Fitchburg, WI 53711 (608) 275-3266
Dane	Iowa	Rock	
Dodge	Jefferson	Sauk	
Grant	LaFayette		

SOUTHEAST REGION (SER)			
Kenosha	Racine	Washington	WDNR Waukesha Service Center 141 N.W. Barstow Street, Room 180 Waukesha, WI 53188 (262) 574-2100
Milwaukee	Sheboygan	Waukesha	
Ozaukee	Walworth		

USE FOR QUARTERLY INSPECTIONS ONLY
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State of Wisconsin
Department of Natural Resources

Quarterly Visual Inspection - Field Sheet

Form 3400-176A (R 3/01)

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Use one form per outfall.

Quarterly Visual Inspections at each storm water discharge outfall on your site can be a valuable assessment tool and are required by the Tier 1 and Tier 2 Industrial Storm Water General Permits. This inspection should be performed when sufficient runoff occurs during daylight hours. Try to make observations within the first 30 minutes after runoff begins discharging from the outfall, or as soon as practical, but no later than 60 minutes. If you find visible pollution, note the probable source and list any possible Best Management Practices that could be used to reduce or eliminate the problem.

Make any necessary changes to your **Storm Water Pollution Prevention Plan** as needed.

Facility Name: Outagamie County Highway Garage			
Street Address: 1313 Holland Road	City: Village of Little Chute	State: WI	ZIP Code: 54911
Name of Person Conducting Inspection: Jon Milheiser, Michael Morman		Inspection Date: 3/31/2023	
Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): North Ditch	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event: 7:00 AM	Time of Visual Inspection: 7:15 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch): 0.2"	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

Color:	☑ Clear	☐ Red	☐ Yellow	☐ Brown	☐ Other:
Odor:	☑ None	☐ Musty	☐ Sewage	☐ Rotten Egg	☐ Other:
Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

All BMPs are being followed. No issues observed.

This outfall could not be evaluated during this quarter due to the following reason:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		6/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
North Ditch	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
8:30 AM	9:00 AM	.2	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name: Outagamie County Highway Garage			
Street Address: 1313 Holland Road	City: Village of Little Chute	State: WI	ZIP Code: 54911
Name of Person Conducting Inspection: Jon Milheiser, Michael Morman		Inspection Date: 9/26/2023	
Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): North Ditch	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event: 8:45 AM	Time of Visual Inspection: 9:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		10/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
North Ditch	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:30 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		3/31/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-001	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:15 AM	0.2"	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		6/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-001	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
8:30 AM	9:00 AM	.2	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Odor:	☑ None	☐ Musty	☐ Sewage	☐ Rotten Egg	☐ Other:
Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		9/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-001	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
8:45 AM	9:00 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

Color:	☑ Clear	☐ Red	☐ Yellow	☐ Brown	☐ Other:
Odor:	☑ None	☐ Musty	☐ Sewage	☐ Rotten Egg	☐ Other:
Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
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Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		10/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-001	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:30 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

Color:	☑ Clear	☐ Red	☐ Yellow	☐ Brown	☐ Other:
Odor:	☑ None	☐ Musty	☐ Sewage	☐ Rotten Egg	☐ Other:
Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

All BMPs are being followed. No issues observed.

This outfall could not be evaluated during this quarter due to the following reason:

USE FOR QUARTERLY INSPECTIONS ONLY
MUST BE PERFORMED DURING OR IMMEDIATELY FOLLOWING RAIN EVENT

State of Wisconsin
Department of Natural Resources

Quarterly Visual Inspection - Field Sheet

Form 3400-176A (R 3/01)

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Use one form per outfall.

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Make any necessary changes to your **Storm Water Pollution Prevention Plan** as needed.

Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		3/31/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-002	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:15 AM	0.2"	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

Color:	☑ Clear	☐ Red	☐ Yellow	☐ Brown	☐ Other:
Odor:	☑ None	☐ Musty	☐ Sewage	☐ Rotten Egg	☐ Other:
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Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		6/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-002	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
8:30 AM	9:00 AM	.2	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Jon Milheiser, Michael Morman		9/26/2023	
Employer		**Telephone Number**	
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Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-002	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
8:45 AM	9:00 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		10/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-002	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:30 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Facility Name			
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Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		3/31/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
South Ditch	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:15 AM	0.2"	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
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Facility Name			
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Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		6/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
South Ditch	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
8:30 AM	9:00 AM	.2	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
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Facility Name: Outagamie County Highway Garage			
Street Address: 1313 Holland Road	City: Village of Little Chute	State: WI	ZIP Code: 54911
Name of Person Conducting Inspection: Jon Milheiser, Michael Morman		Inspection Date: 9/26/2023	
Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): South Ditch	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event: 8:45 AM	Time of Visual Inspection: 9:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name			
Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		10/26/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
South Ditch	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
7:00 AM	7:30 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

All BMPs are being followed. No issues observed.

This outfall could not be evaluated during this quarter due to the following reason:

USE FOR SEMI-ANNUAL INSPECTIONS ONLY
MUST BE PERFORMED DURING OR IMMEDIATELY FOLLOWING RAIN EVENT

State of Wisconsin
Department of Natural Resources

Non-Stormwater **Visual Inspection - Field Sheet**

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Make any necessary changes to your **Storm Water Pollution Prevention Plan** as needed.

Facility Name: Outagamie County Highway Garage			
Street Address: 1313 Holland Road	City: Village of Little Chute	State: WI	ZIP Code: 54911
Name of Person Conducting Inspection: Jon Milheiser, Michael Morman		Inspection Date: 5/25/2023	
Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): North Ditch	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event:	Time of Visual Inspection: 9:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch):	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Facility Name: Outagamie County Highway Garage			
Street Address: 1313 Holland Road	City: Village of Little Chute	State: WI	ZIP Code: 54911
Name of Person Conducting Inspection: Jon Milheiser, Michael Morman		Inspection Date: 10/30/2023	
Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): North Ditch	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event:	Time of Visual Inspection: 10:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch):	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

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Department of Natural Resources

Non-Stormwater **Visual Inspection - Field Sheet**

Form 3400-176A (R 3/01)

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Make any necessary changes to your **Storm Water Pollution Prevention Plan** as needed.

Facility Name: Outagamie County Highway Garage			
Street Address: 1313 Holland Road	City: Village of Little Chute	State: WI	ZIP Code: 54911
Name of Person Conducting Inspection: Jon Milheiser, Michael Morman		Inspection Date: 5/25/2023	
Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): OF-001	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event:	Time of Visual Inspection: 9:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch):	

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

Color:	☑ Clear	☐ Red	☐ Yellow	☐ Brown	☐ Other:
Odor:	☑ None	☐ Musty	☐ Sewage	☐ Rotten Egg	☐ Other:
Clarity:	☑ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids	☐ Other:
Floatables:	☑ None	☐ Foam	☐ Garbage	☐ Oily Film	☐ Other:
Deposits / Stains:	☑ None	☐ Oily	☐ Sludge	☐ Sediments	☐ Other:

Comments:

All BMPs are being followed. No issues observed.

This outfall could not be evaluated during this quarter due to the following reason:

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MUST BE PERFORMED DURING OR IMMEDIATELY FOLLOWING RAIN EVENT

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Outfall Number (make reference to site map): OF-001	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event:	Time of Visual Inspection: 10:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch):	

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Outagamie County Highway Garage			
Street Address	**City**	**State**	**ZIP Code**
1313 Holland Road	Village of Little Chute	WI	54911
Name of Person Conducting Inspection		**Inspection Date**	
Jon Milheiser, Michael Morman		5/25/2023	
Employer		**Telephone Number**	
Outagamie County Highway Department		(920) 832-5673	
Outfall Number (make reference to site map)	**Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.)**		
OF-002	See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event	**Time of Visual Inspection**	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch)	
	9:00 AM		

Describe your observations. An easy way to conduct this inspection is to use a glass jar to collect a sample of the storm water being discharged from the facility and visually inspect the water. Include any observations of color, odor, turbidity, floating solids, foam, oil sheen or any other visual indicators of storm water pollution and the probable sources of any observed storm water contamination.

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Employer: Outagamie County Highway Department		Telephone Number: (920) 832-5673	
Outfall Number (make reference to site map): OF-002	Description of Outfall (e.g., ditch, concrete pipe, grassed swale, etc.): See Section 8.2.1 of SWPPP & Figure 4		
Time of Rainfall Event:	Time of Visual Inspection: 10:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch):	

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Time of Rainfall Event:	Time of Visual Inspection: 9:00 AM	**Optional:** Amount of Rainfall at the Time of Observation (nearest tenth of an inch):	

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2022 - 2023 WINTER MAINTENANCE SUMMARY

County Salt & Brine Usage	Salt		Brine	
	GROSS CTH Salt Used	PRORATED CTH Salt Used	GROSS CTH Brine Used	PRORATED CTH Brine Used
Period	**Tons**	**Tons**	**Gallons**	**Gallons**
October 2022	-	-	100	27.45
November 2022	317.96	87.28	104,619	28,717
December 2022	1,032.87	283.51	169,672	46,573
January 2023	1,182.84	324.68	209,919	57,621
February 2023	1,417.41	389.06	182,926	50,211
March 2023	968.77	265.92	117,279	32,192
April 2023	10.00	2.74	1,600	439
May 2023	26.00	7.14	4,500	1,235
TOTALS	**4,955.85**	**1,360.33**	**790,615**	**217,016**
Total CTH Lane Miles	**604**			
Total CTH Lane Miles in MS4 Area	**165.8**			
% of Total CTH Lane Miles	**27.4%**			

Salt Use Reduction in Winter Maintenance

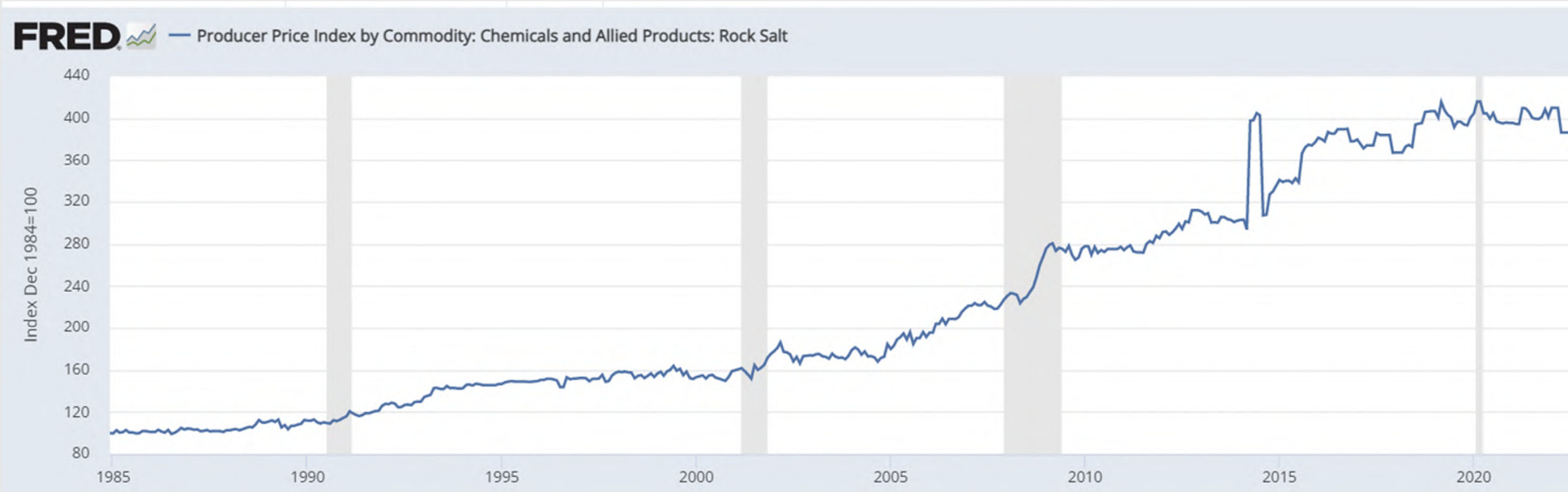
Winter Meeting
Outagamie County

October 2022

2021-2022 Wisconsin Winter Highlights

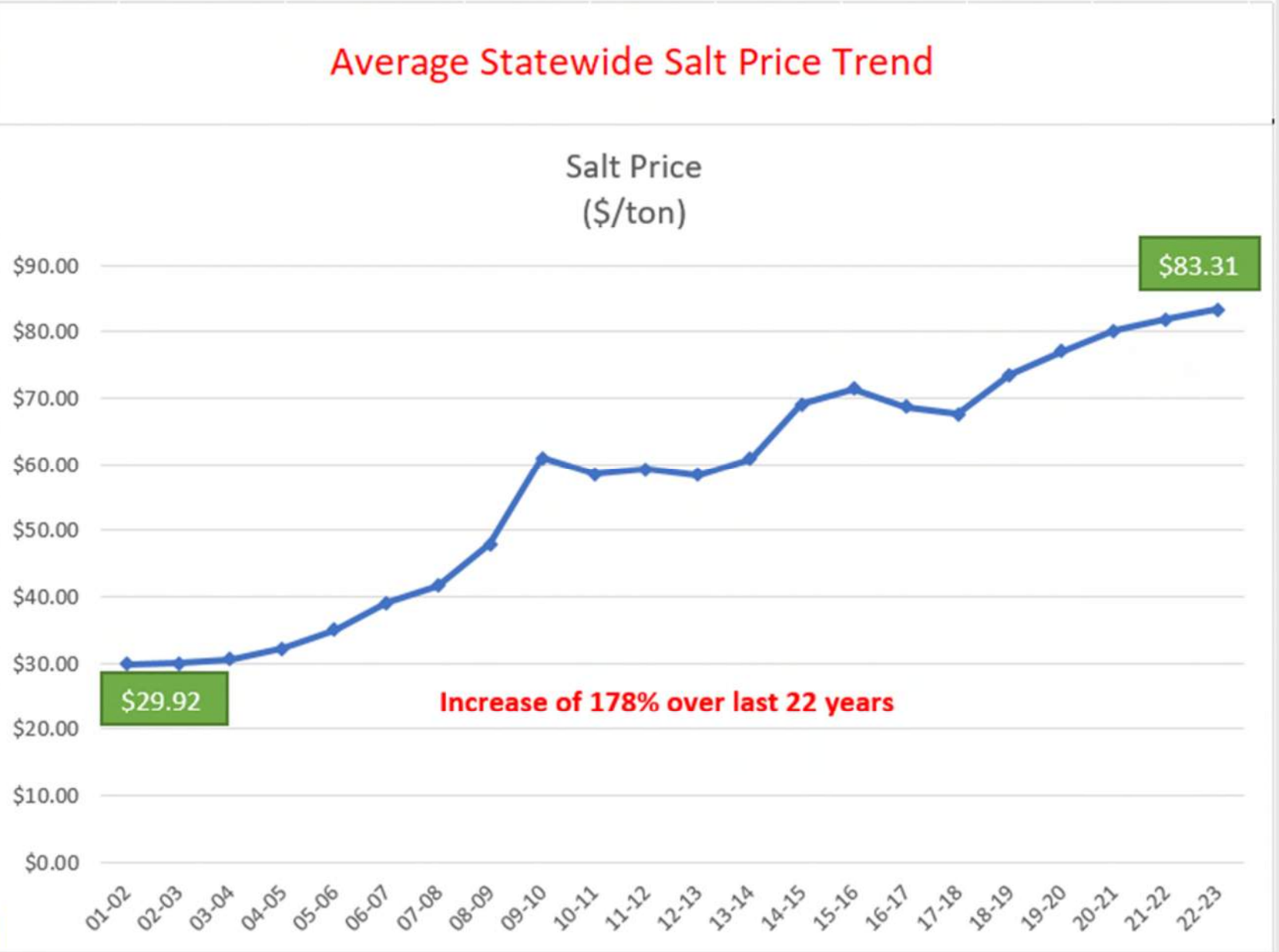
- Salt Price Trend
- Salt and Brine Use Numbers
- Analysis Used in Salt Use Improvements
- Education and Training
- What is next
- High-Capacity Brine Makers Update
- Results and Comments

Price Index of Salt from 1984 - Present



- Nationwide producer price index of salt up ~290% since 1984
  - For comparison, using this same index gasoline is up 244% in this same time frame

Year	Statewide ($/ton)
01-02	$29.92
02-03	$29.96
03-04	$30.57
04-05	$32.21
05-06	$34.98
06-07	$39.03
07-08	$41.69
08-09	$47.91
09-10	$60.92
10-11	$58.55
11-12	$59.18
12-13	$58.34
13-14	$60.78
14-15	$69.01
15-16	$71.35
16-17	$68.74
17-18	$67.60
18-19	$73.51
19-20	$77.10
20-21	$80.09
21-22	**$81.80**
22-23	**$83.31**



2022/2023 Wisconsin Salt Bid

- Total salt bid awarded 911,485 tons @ **$73.8M**
- State salt bid awarded 362,870 tons @ **$30.2M**
- Local salt bid awarded 548,615 tons @ **$43.6M**
- Total statewide $/ton went up ~1.9%

- <u>Notes:</u>
  - The State is 39.8% of the total state salt bid.
  - There are ~460 of the 1,924 local entities that could be on the state salt bid
  - 21/22 Total Salt Bid: $70.1 million ($27.6 million state, $42.5 million locals)
  - 20/21 Total Salt Bid: $84 million ($34 million state, $50 million locals)
  - 19/20 Total Salt Bid: $107 Million



Clear Roads Data Comparing with Neighboring States

"Final" Wisconsin 2017-2018 Winter Report					
	Wisconsin	Minnesota	Iowa	Michigan	Illinios
Lane Miles	34,678	30,585	24,482	32,045	n/a
Salt use (Tons)	568K	439K	175K	619K	n/a
Brine/Liquid Use	5.7M	4.3M	**32.4M**	2.4M	n/a
Material Costs	$41.8M	$34.7M	$15.1M	n/a	n/a
Equipment Costs	$29.2M	$47.1M	$6.0M	n/a	n/a
Labor Costs	$26.8M	$42.2M	$13.5M	n/a	n/a
Total Costs	$97.8M	$124.0 M	$34.6M	n/a	n/a
COST/LANE MILE	**$2,821**	**$4,054**	**$1,413**	**n/a**	n/a

"Final" Wisconsin 2018-2019 Winter Report					
	Wisconsin	Minnesota	Iowa	Michigan	Illinios
Lane Miles	34,774	30,456	24,525	31,958	44,768
Salt use (Tons)	553K	247K	222K	528K	600K
Brine/Liquid Use	9.4M	4.6M	**39.3M**	2.2M	1.9M
Material Costs	$44.1M	$30.4M	$19.8M	N/A	$35.2M
Equipment Costs	$36.3M	56.2M	$8.8M	N/A	$21.9M
Labor Costs	$31.3M	$17.1M	$17.1M	N/A	$31.8M
Total Costs	$111.7M	$132.7M	$45.8M	N/A	$88.9M
COST/LANE MILE	**$3,212**	**$4,357**	**$1,867**	**N/A**	$1,986

Clear Roads Data Comparing with Neighboring States

"Final" Wisconsin 2019-2020 Winter Report					
	Wisconsin	Minnesota	Iowa	Michigan	Illinois
Lane Miles	34,859	30,341	25,767	31,958	45,304
Salt use (Tons)	426K	210K	185K	444 K	428 K
Brine/Liquid Use (Gallons)	11.4 M	6.5 M	31.5 M	1.7 M	3.0 M
Material Costs	$35.3 M	34.3 M	20.0 M	N/A	35.1 M
Equipment Costs	$26.3 M	52.5 M	9.5 M	N/A	15.5 M
Labor Costs	$23.0 M	40.2 M	17.6 M	N/A	20.1 M
Total Costs	$84.6 M	127.0 M	47.1 M	N/A	70.7 M
COST/LANE MILE	$2,428	$4,188	$1,828	N/A	$1,562

"Final" Wisconsin 2020-2021 Winter Report					
	Wisconsin	Minnesota	Iowa	Michigan	Illinois
Lane Miles	35,177	30,308	25,826	32,522	45,400
Salt use (Tons)	324K	177K	141K	411K	523K
Brine/Liquid Use (Gallons)	11.5 M	6.7 M	33.0 M	2.0 M	3.2 M
Material Costs	$28.4 M	$28.3 M	$16.0 M	N/A	$42.0 M
Equipment Costs	$23.0 M	$50.7 M	N/A	N/A	$45.7 M
Labor Costs	$22.7 M	$36.9 M	N/A	N/A	$29.7 M
Total Costs	$74.1 M	$115.9 M	N/A	N/A	$117.4 M
COST/LANE MILE	$2,107	$3,823	N/A	N/A	$2,586

Other States Total Liquid Applications

2020/2021 Winter						
State	Lane Miles	Tons of Salt Used	Tons Salt/Lane mile	Gallons of Brine Used	Gals Brine/Lane Mile	
Colorado	23,000	232,909	10.1	14,147,423	615	
Idaho	12,576	125,596	10.0	6,889,263	548	
Iowa	25,826	140,964	5.5	33,050,550	1,280	
Michigan	32,522	411,001	12.6	2,018,852	62	
Minnesota	30,308	177,164	5.8	6,652,877	220	
Montana	25,190	23,335	0.9	7,142,037	284	
North Dakota	17,267	27,022	1.6	2,848,592	165	
Oregon	19,090	7,363	0.4	3,937,102	206	
Wisconsin	35,177	324,265	9.2	11,548,222	328	WS=64.1
Outagamie County	541	5,035	9.3	547,069	1,011	WS= 53.4

2020/2021 Winter						
Wisconsin	34,736	387,600	11.2	11,548,222	332	WS=97.1
Outagamie County	580	8,426	14.5	864,355	1,490	WS=86.4

Winter Materials Cost 2020/2021

2020/2021 Winter Material Costs				
	State	Cost of Materials	Lane Miles	Materials Cost per Lane Mile
1	Pennsylvania	$ 75,000,000	96,000	$781
2	Ohio	$ 56,387,632	41,551	$1,357
3	Illinois	$ 41,979,981	45,400	$925
4	Colorado	$ 31,953,743	23,000	$1,389
5	Wisconsin	$ 28,437,269	35,177	$808
6	Minnesota	$ 28,337,082	30,308	$935
7	Indiana	$ 26,948,272	29,824	$904
8	Massachusetts	$ 18,138,991	15,436	$1,175
9	Maryland	$ 17,110,393	17,132	$999
10	Missouri	$ 16,792,197	77,541	$217
11	Iowa	$ 16,000,000	25,826	$620
12	Nebraska	$ 15,461,555	22,908	$675
13	Texas	$ 12,629,314	198,471	$64
14	Oregon	$ 12,526,411	19,090	$656
15	Washington	$ 12,504,431	18,900	$662
16	New Hampshire	$ 10,052,804	9,366	$1,073

2020/2021 Winter Material Costs				
	State	Cost of Materials	Lane Miles	Materials Cost per Lane Mile
1	Rhode Island	$ 5,700,000	3,300	$1,727
2	Colorado	$ 31,953,743	23,000	$1,389
3	Ohio	$ 56,387,632	41,551	$1,357
4	Vermont	$ 7,693,517	6,511	$1,182
5	Massachusetts	$ 18,138,991	15,436	$1,175
6	New Hampshire	$ 10,052,804	9,366	$1,073
7	Maryland	$ 17,110,393	17,132	$999
8	Maine	$ 7,800,000	8,219	$949
9	Minnesota	$ 28,337,082	30,308	$935
10	Illinois	$ 41,979,981	45,400	$925
11	Indiana	$ 26,948,272	29,824	$904
12	Wisconsin	$ 28,437,269	35,177	$808
13	Connecticut	$ 8,546,170	10,870	$786
14	Pennsylvania	$ 75,000,000	96,000	$781
15	Idaho	$ 8,775,286	12,576	$698
16	Nebraska	$ 15,461,555	22,908	$675

Chlorides Used in 2020/2021 Winter

2020/2021 Chlorides Used				
	State	Tons of Chlorides Used	Lane Miles	Tons per Lane Mile
1	New York	911,537	43,534	20.9
2	Pennsylvania	896,000	96,000	9.3
3	Ohio	740,150	41,551	17.8
4	Illinois	522,549	45,400	11.5
5	Michigan	411,001	32,522	12.6
6	Massachusetts	334,432	15,436	21.7
7	Wisconsin	324,265	35,177	9.2
8	Indiana	321,834	29,824	10.8
9	West Virginia	282,215	75,000	3.8
10	Connecticut	270,961	10,870	24.9
11	Utah	265,631	24,300	10.9
12	Maryland	241,066	17,132	14.1
13	Colorado	232,909	23,000	10.1
14	Minnesota	177,164	30,308	5.8
15	New Hampshire	164,476	9,366	17.6
16	Iowa	140,964	25,826	5.5
17	Missouri	139,280	77,541	1.8
18	Idaho	125,596	12,576	10.0

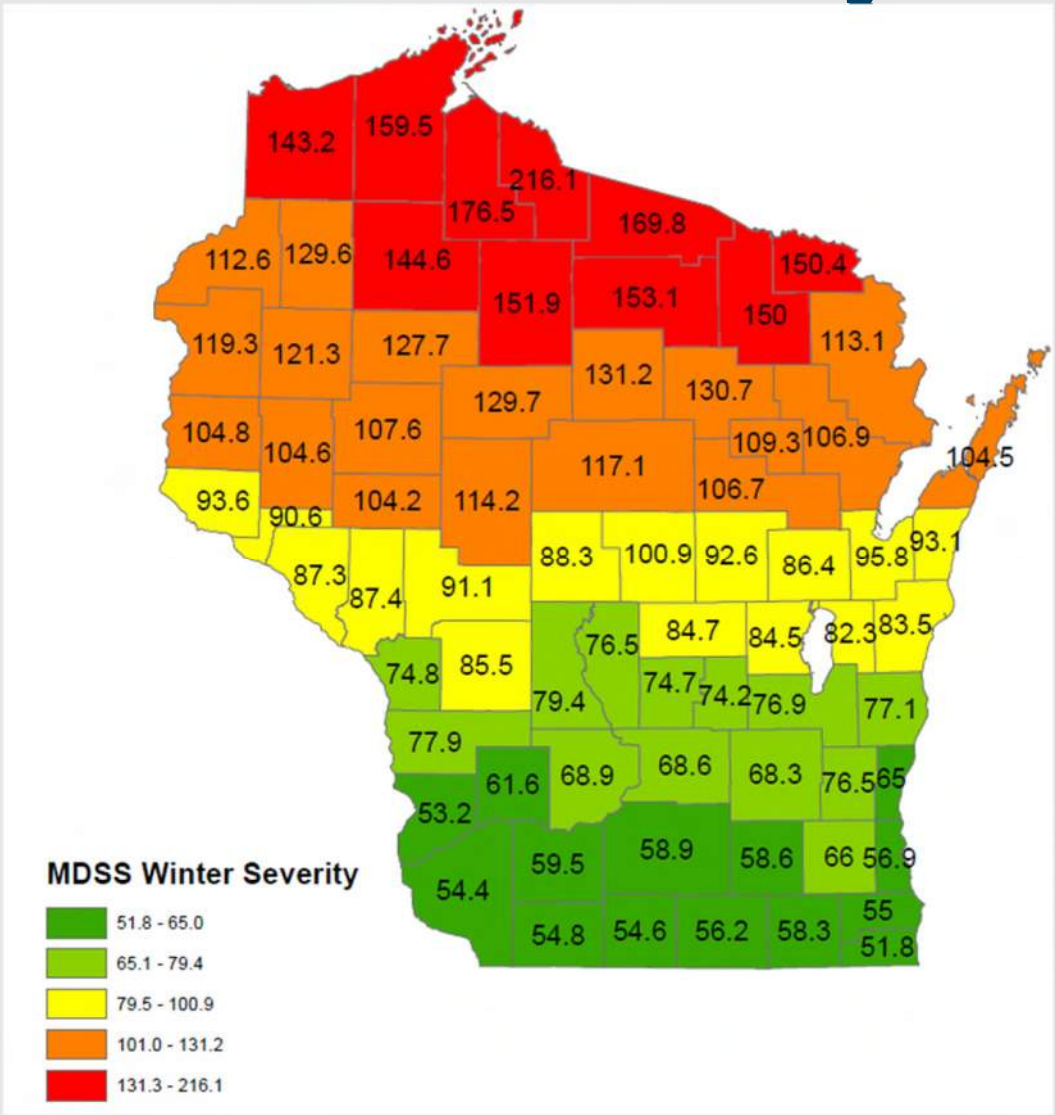
2020/2021 Chlorides Used				
	State	Tons of Chlorides Used	Lane Miles	Tons per Lane Mile
1	Rhode Island	100,000	3,300	30.3
2	Connecticut	270,961	10,870	24.9
3	Massachusetts	334,432	15,436	21.7
4	New York	911,537	43,534	20.9
5	Ohio	740,150	41,551	17.8
6	New Hampshire	164,476	9,366	17.6
7	Vermont	105,343	6,511	16.2
8	Maryland	241,066	17,132	14.1
9	Michigan	411,001	32,522	12.6
10	Maine	100,263	8,219	12.2
11	Illinois	522,549	45,400	11.5
12	Utah	265,631	24,300	10.9
13	Indiana	321,834	29,824	10.8
14	Colorado	232,909	23,000	10.1
15	Idaho	125,596	12,576	10.0
16	Pennsylvania	896,000	96,000	9.3
17	Wisconsin	324,265	35,177	9.2
18	Minnesota	177,164	30,308	5.8

Brine Used in 2020/2021 Winter

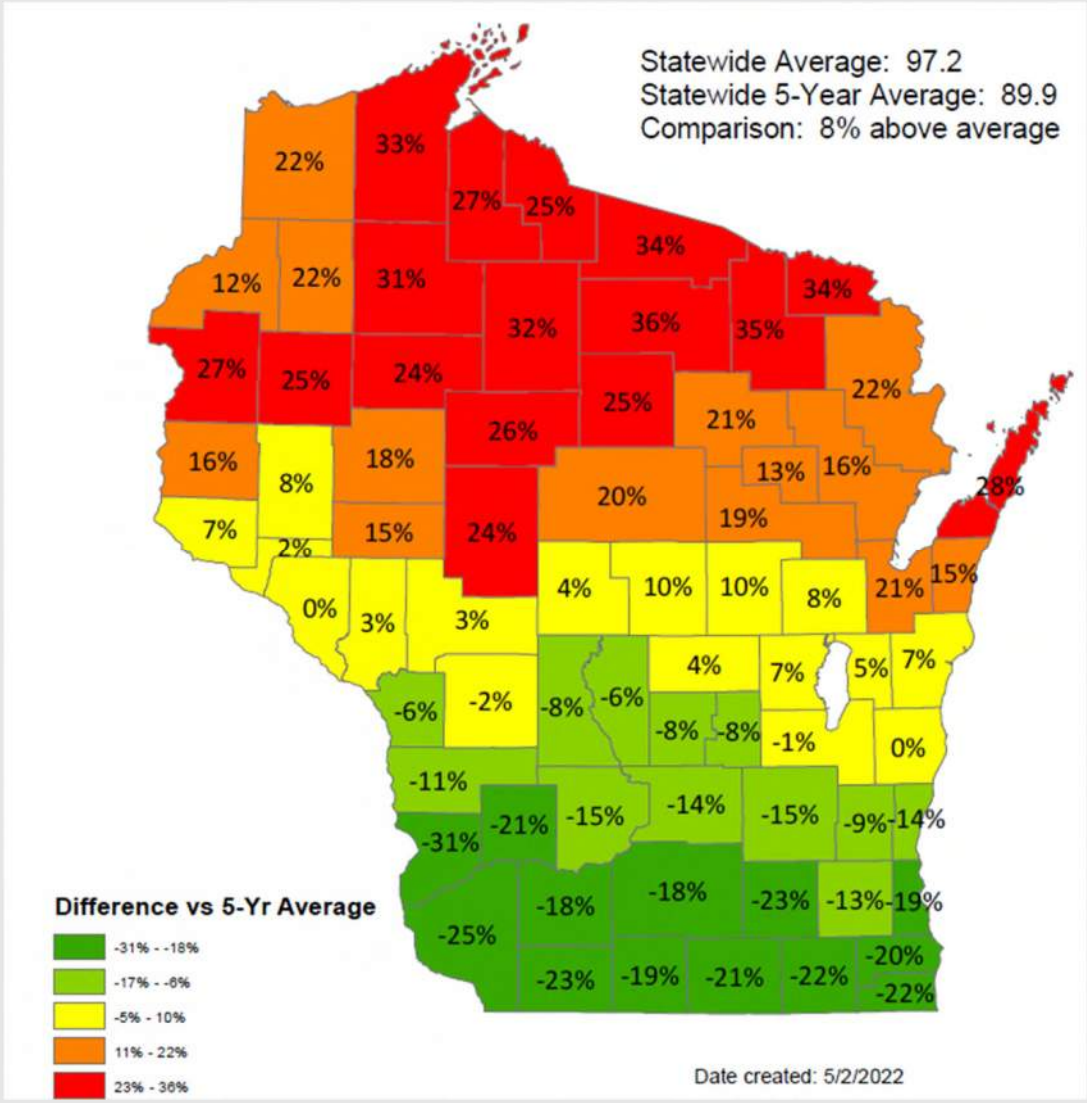
2020/2021 Brine/Liquids Used				
	State	Gallons of Brine Used	Lane Miles	Gal per Lane Mile
1	Iowa	33,050,550	25,826	1,280
2	Ohio	19,209,084	41,551	462
3	Texas	17,353,332	198,471	87
4	Colorado	14,147,423	23,000	615
5	Pennsylvania	12,260,957	96,000	128
6	Wisconsin	11,548,222	35,177	328
7	Montana	7,142,037	25,190	284
8	Idaho	6,889,263	12,576	548
9	Minnesota	6,652,877	30,308	220
10	Kansas	6,378,335	23,500	271
11	Indiana	4,138,512	29,824	139
12	Oregon	3,937,102	19,090	206
13	Missouri	3,408,972	77,541	44
14	Utah	3,406,986	24,300	140
15	Maryland	3,384,083	17,132	198
16	Illinois	3,226,903	45,400	71
17	North Dakota	2,848,592	17,267	165
18	Michigan	2,018,852	32,522	62

2020/2021 Brine/Liquid Used				
	State	Gallons of Brine Used	Lane Miles	Gal per Lane Mile
1	Iowa	33,050,550	25,826	1,280
2	Colorado	14,147,423	23,000	615
3	Idaho	6,889,263	12,576	548
4	Ohio	19,209,084	41,551	462
5	Wisconsin	11,548,222	35,177	328
6	Montana	7,142,037	25,190	284
7	Kansas	6,378,335	23,500	271
8	Vermont	1,488,176	6,511	229
9	Minnesota	6,652,877	30,308	220
10	Oregon	3,937,102	19,090	206
11	Maryland	3,384,083	17,132	198
12	North Dakota	2,848,592	17,267	165
13	Utah	3,406,986	24,300	140
14	Indiana	4,138,512	29,824	139
15	Delaware	1,740,000	13,472	129
16	Pennsylvania	12,260,957	96,000	128
17	Connecticut	1,106,637	10,870	102
18	California	900,000	9,060	99

Winter 21/22 Severity Index



Winter 21/22 Severity Index vs 5-Year Average



Top Ten Lowest Users of Salt Per Lane Mile 21/22 Winter

1. Crawford (SWR) = 3.3 tons/LM (WSI=53.2)
2. Jefferson (SWR) = 3.6 tons/LM (58.6)
3. Green (SWR) = 4.4 tons/LM (54.6)
4. Richland (SWR) = 4.7 tons/LM (61.6)
5. Waushara (NCR) = 4.8 tons/LM (84.7)
6. Burnett (NWR) = 4.9 tons/LM (112.6)
7. La Crosse (SWR) = 5.0 tons/LM (74.8)
8. Marquette (NCR) = 5.5 tons/LM (74.7)
9. Green Lake (NCR) = 5.7 tons/LM (74.2)
10. Pepin (NWR) = 6.0 tons/LM (90.6)

- State Average Salt Use:
  - 11.2 tons/Lane Mile (21/22 Winter)
- Highest use of Salt in a County:
  - 21.7 tons/Lane Mile
  - 20/21 Winter Statewide average was 9.2 tons/lane mile



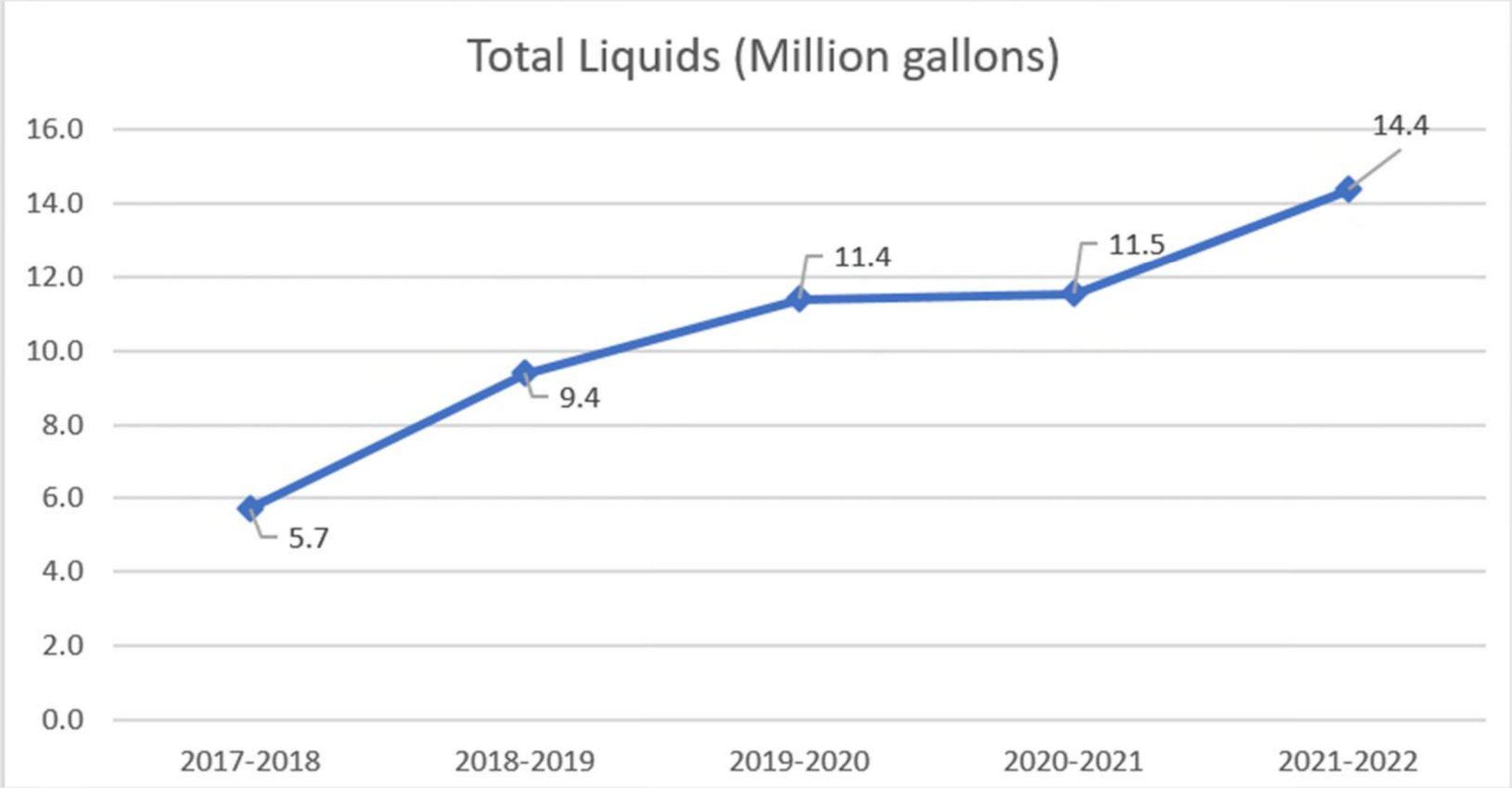
Top Ten Highest Users of Brine per Lane Mile 21/22 Winter

1. Vilas (NCR) = 2,815 gal/LM
2. Marquette (NCR) = 2,301 gal/LM
3. Oneida (NCR) = 1,918 gal/LM
4. Outagamie (NER) = 1,490 gal/LM
5. Sheboygan (NER) = 1,469 gal/LM
6. Shawano (NCR) = 1,393 gal/LM
7. Kewaunee (NER) = 1,066 gal/LM
8. Walworth (SER) = 1,053 gal/LM
9. Langlade (NCR) = 1,038 gal/LM
10. Brown (NER) = 924 gal/LM

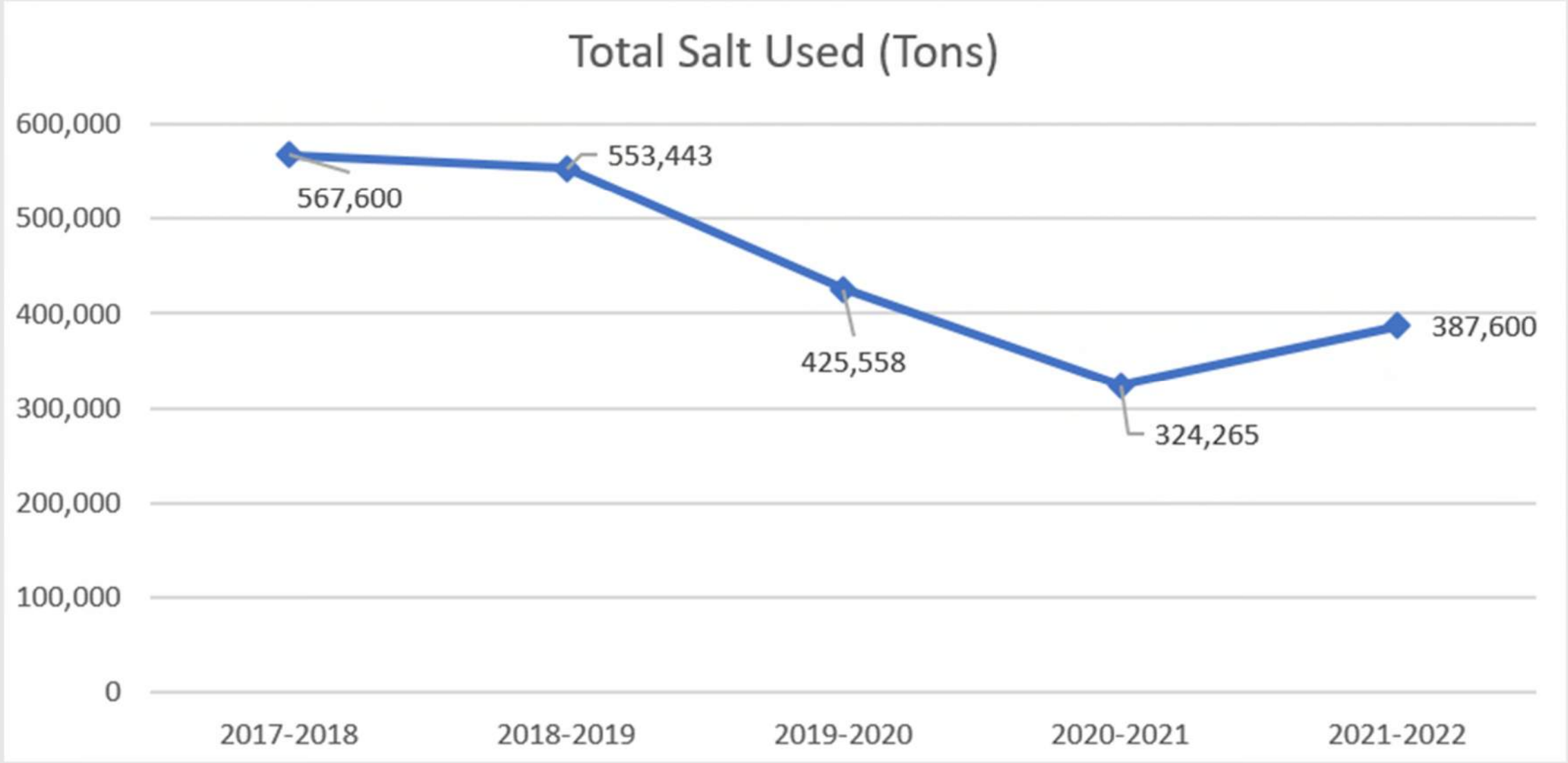
- State Average Brine Use:
  - 414 gal/Lane Mile (21/22 Winter)
  - 328 gal/Lane Mile (20/21 Winter)



Wisconsin Brine Use Over Past 5-Years



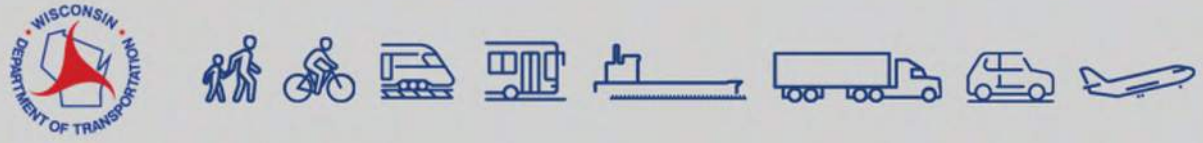
Wisconsin Salt Use Over Past 5-Years



Wisconsin State Highway Salt Costs

Year	Cost of Salt Used	Salt Used
2015-2016	$28,220,733	399,046
2016-2017	$36,541,058	526,199
2017-2018	$38,322,162	567,600
2018-2019	$40,644,396	553,443
2019-2020	$33,028,662	425,558
2020-2021	*$25,772,013*	*324,265*
2021-2022	*$31,773,301*	*387,600*
Prior 5-Year Avg:	***$34,861,658***	***479,413***

- 5-Year Average Cost of Winter: $91,218,000
  - Salt Costs ~38% of total winter costs



21/22 Region Average Costs

2021/2022 Individul Regions Costs					
Material Costs/Lane Mile					
State Average	NC	NE	NW	SW	SE
$995/Lane Mile	*$1,119*	*$1,017*	*$1,134*	*$760*	*$1,031*
Equipment Costs/Lane Mile					
State Average	NC	NE	NW	SW	SE
$763/Lane Mile	*$883*	*$771*	*$878*	*$587*	*$750*
Labor Costs/Lane Mile					
State Average	NC	NE	NW	SW	SE
$700/Lane Mile	*$560*	*$686*	*$628*	*$480*	*$978*
Brine (Gal)/Lane Mile					
State Average	NC	NE	NW	SW	SE
414/Lane Mile	*792*	*812*	*129*	*254*	*272*

Review of Salt Use by County Group 20/21

Group	Number of Counties	Range in Ton/LM	Average use in Ton/LM
A	3	10.9 - 12.8	11.7
B	21		9.5
C	17	6.0 - 11.9	8.7
D	14	3.8 - 13.9	8.7
E	13	2.3 - 11.9	8.4
F	4	4.8 - 9.5	7.1
State-Wide	**72**	**2.3 - 14.0**	**9.2**

Review of Salt Use by County Group 21/22

Group	Number of Counties	Range in Ton/LM	Average use in Ton/LM
A	3	10.2 - 19.2	14.5
B	21		10.7
C	17	3.3 - 16.7	10.6
D	14	4.4 - 17.5	9.5
E	13	4.9 - 19.1	11.2
F	4	5.7 - 21.7	12.1
State-Wide	**72**	**3.3 - 21.7**	**11.2**

Outagamie County – Winter 2021/2022

	Outagamie County	State Average
Brine (Gallons/LM)	1,490	414
Materials Cost/LM	$1,087	$995
Equipment Cost/LM	$781	$762
Labor Cost/LM	$919	$700
Total Cost/LM	$2,787	$2,457

Outagamie County – Materials Chart
State Highway Lane Miles = 580.16

Item	Outagamie County	Region Average	State Average
Tons of salt used/lane mile	14.5 tons/lm	12.3 ton/lm	11.2 tons/lm
Liquid brines used/lane mile	1,490 gal/lm	812 gal/lm	414 gal/lm
MDSS Winter Severity Index	86.4	91.3	97.1

Evaluation of Group “B” Counties

Group "B" Counties					
Highest Brine Users Group "B"					
County	**Brine (Gal/LM)**	**Lane Miles**	**Salt Used (Tons)**	**Salt (Tons/LM)**	**Average Tons/LM**
Outagamie	1,490	580.16	8,426	14.5	13.25
Walworth	1,053	695.7	6,279	9.0	
Brown	924	870.92	13,737	15.8	
		2146.78	**28,442**		
Lowest Brine Users Group "B"					
County	**Brine (Gal/LM)**	**Lane Miles**	**Salt Used (Tons)**	**Salt (Tons/LM)**	**Average Tons/LM**
Kenosha	26	676.57	6,860	10.1	10.19
Grant	94	643.56	6,710	10.4	
Racine	100	762.99	7,663	10.0	
		2,083.12	**21,233**		

Sodium Chloride Brine vs Rock Salt

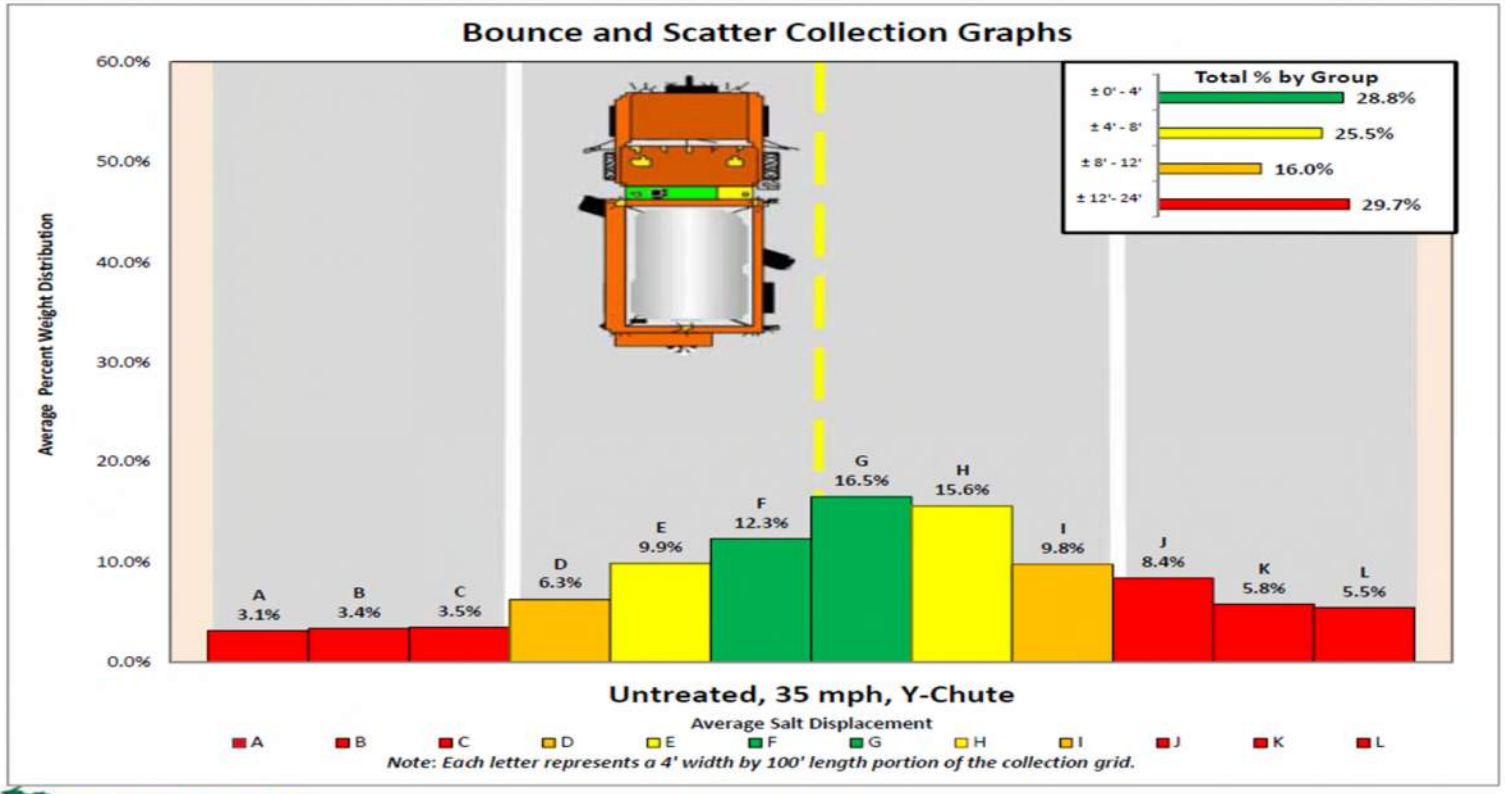
(Research Done by Others)

- 25 gallons/acre of sodium chloride brine = 300 lbs. of salt/lane mile
- 43,560 sq ft/acre IMPLIES 25 gallons for a 15' lane goes 2,904' (.55 miles)
- It would take 50 gallons of brine to go 1.10 lane miles
- To make one gallon of brine is 2.29 pounds of salt (at 23.3% solution)
- It would take 2,290 lbs. or 1.145 tons of salt to make 1,000 gallons of brine
- **Liquid:** $70/ton of salt it would **cost $80.15** to brine 22 lane miles **(1.145 tons)**
- **Rock Salt:** $70/ton and 300lbs/lane mile **cost would be $231.00** to treat same 22 lane miles **(3.300 tons)**

$$$ Liquid Application results in **~3X** less cost than **Granular Salt** $$$

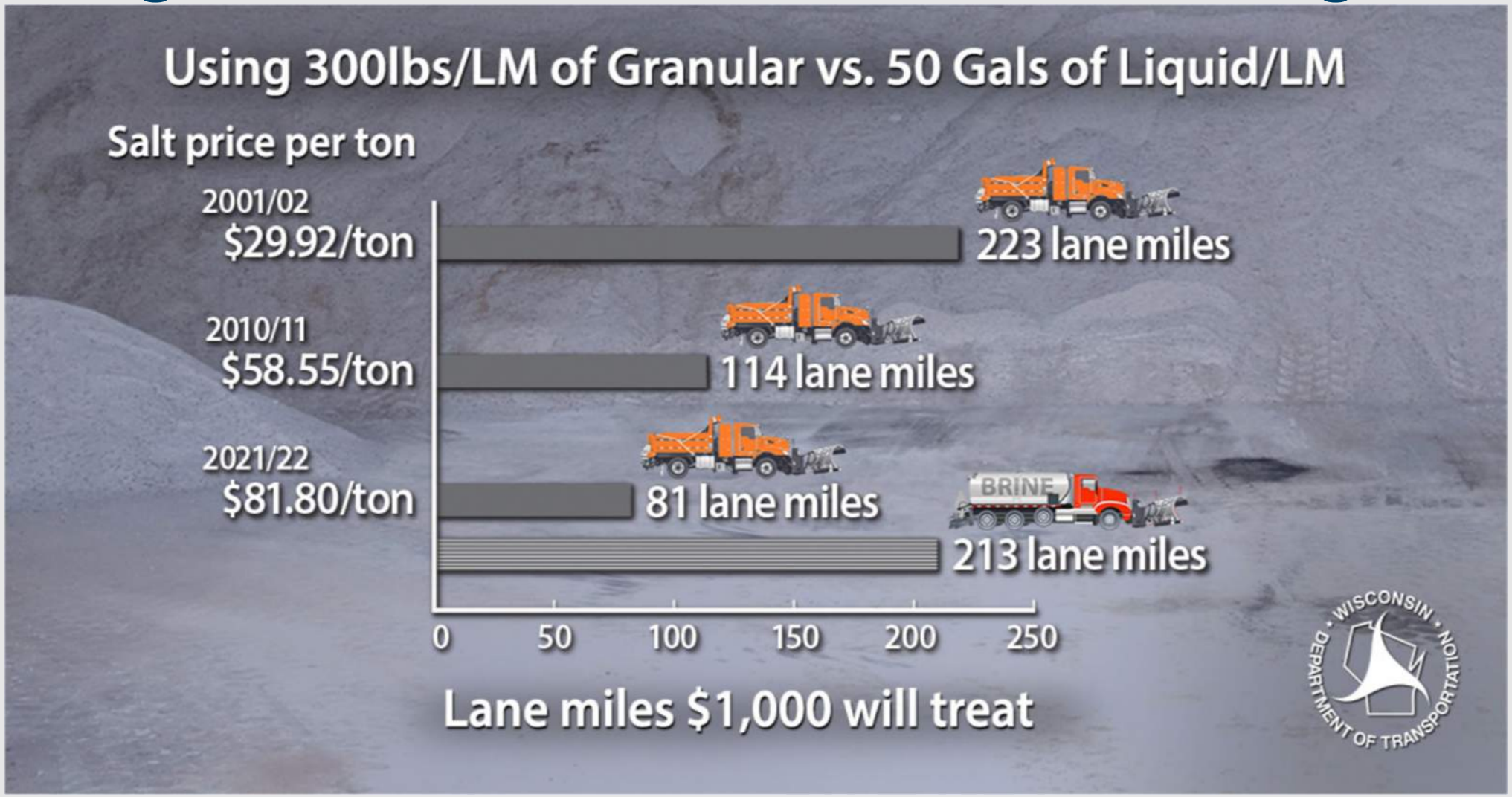
You're using about **~3X less salt** achieving the same results

The Bounce and Scatter Effect



- ~30% of salt that is not pre-wetted goes off traveled way when applying at 35 MPH
  - These numbers don't include salt "blown off" by traffic
- Compared to only ~4% with salt that is pre-wetted
- Compare that to no salt bouncing off roadway with Direct Liquid Applications

Using 300 lbs/LM of Rock Salt vs 50 gal/LM



Number of Counties Using Liquids:



Pre-Wet Salt: 72/72



Anti-Icing: 66/72



Direct Liquid Application: 23/72

Comparing Wisconsin State Highway Winter Costs

2019/2020 Winter

- Total Labor Costs = $23,083,950
- Total Equipment Cost = $26,274,127
- Total Material Costs = $35,281,164

Total = $84,639,241

2020/2021 Winter

- Total Labor Costs = $22,666,553
- Total Equipment Cost = $22,998,112
- Total Material Costs = $28,437,269

Total = $74,101,934

2021/2022 Winter

- Total Labor Costs = $24,314,557
- Total Equipment Cost = $26,488,305
- Total Material Costs = $34,551,632

Total = $85,354,493

Northeast Region Winter Costs

County #		Total FY 2022 Winter Costs	2022 LOS Lane Miles	Winter Costs Per Lane Mile
	Northeast Region			
5	Brown	$2,669,704	870.92	$3,065
8	Calumet	$371,329	236.38	$1,571
15	Door	$676,626	268.36	$2,521
20	Fond du Lac	$1,401,324	605.14	$2,316
31	Kewaunee	$263,550	126.13	$2,090
36	Manitowoc	$967,417	444.39	$2,177
38	Marinette	$1,212,709	413.89	$2,930
42	Oconto	$1,198,095	483.41	$2,478
44	Outagamie	$1,617,137	580.16	$2,787
59	Sheboygan	$1,391,943	528.44	$2,634
70	Winnebago	$1,647,652	720.33	$2,287
	NER Totals	**$13,417,485**	**5,277.55**	**$2,542**

- State Average Cost:
  - $2,457/Lane Mile (21/22 Winter)



- *Ranges from $1,571/LM to $3,065/LM*



Better Salt Management Practices

- BHM looks at a comparison of 5-year average from (2013/2014-2017/2018) pre the purchase of High-Capacity Brine Makers
- 5-Year Average (Statewide): Salt Use: 509,283 Tons, Severity Index: 91.3
- 2021/2022 Winter: Salt Use: 387,600 Tons, Severity Index: 97.1
  - "Estimated" salt use based on 5-Year Averages: ***505,931 Tons***
- This shows that based on the 5-year averages we should have used 505,931 tons but actually used 387,600 Tons
- This is an estimated savings of ***118,331 Tons*** of salt not going into environment and a cost savings of ***~$10.1 million***

Analysis of 5-year average salt use based on winter severity comparison to 2021/2022 winter salt use for all counties

64 of 72 Counties Improved



Evaluation of Salt Use on State Highways

2021/2022 State Highway Salt Use Analysis by County — Updated: 5-23-2

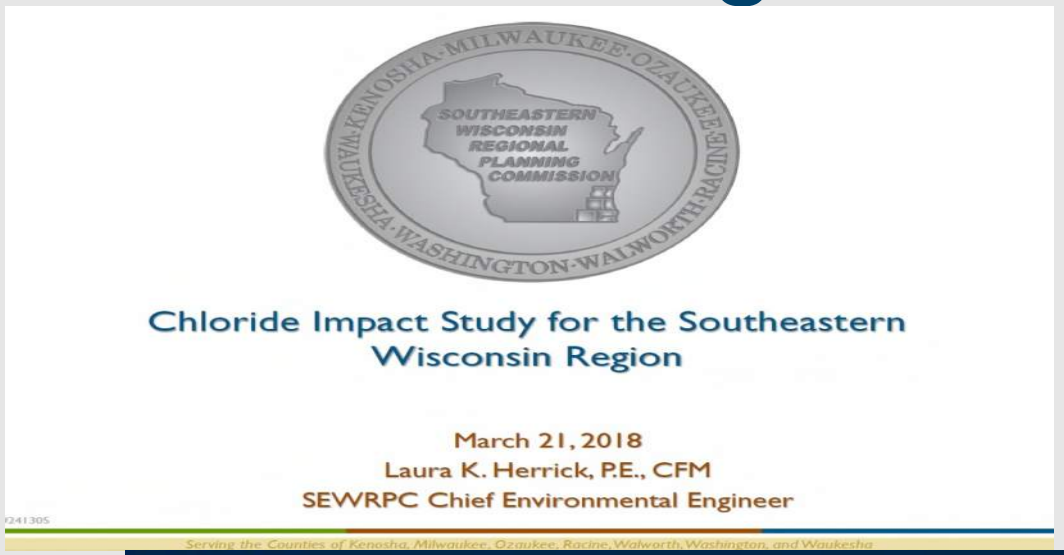
		2013/2014-2017/2018 (Pre-brine makers)			2021-2022						
County	REGION	5-Year Average Winter Severi	5-Year Average Salt Use (tons)	5-Year Salt use Normalized at WS=100	2021/2022 V	Projected Salt Use based on a 5-Year Ave Using WS	2021/2022 Salt Use	2020/2021 Salt Use Decrease or Increase	Salt Cost/T	Actual Calculated Savings	% Increase or Decrease in Salt Use
JEFFERSON	SW	74.6	8,679	11,634	58.6	6,812	1,957	(4,855)	$ 84.62	$ (410,812)	-71.27%
BURNETT	NW	106.8	2,745	2,570	112.6	2,894	1,150	(1,744)	$ 75.94	$ (132,421)	-60.26%
MARQUETTE	NC	73.4	3,006	4,095	74.7	3,060	1,320	(1,740)	$ 95.47	$ (166,109)	-56.86%
LA CROSSE	SW	80.9	5,900	7,293	74.8	5,453	2,461	(2,992)	$ 66.25	$ (198,239)	-54.87%
OZAUKEE	SE	81.0	6,666	8,230	65.0	5,347	2,415	(2,932)	$ 70.13	$ (205,610)	-54.83%
WASHINGTON	SE	82.3	10,834	13,164	76.5	10,069	4,569	(5,500)	$ 82.78	$ (455,250)	-54.62%
WAUSHARA	NC	76.3	3,060	4,010	84.7	3,397	1,680	(1,717)	$ 90.31	$ (155,049)	-50.54%
ONEIDA	NC	125.2	7,111	5,680	153.1	8,693	4,354	(4,339)	$ 94.09	$ (408,262)	-49.91%
CRAWFORD	SW	74.3	3,606	4,853	53.2	2,582	1,321	(1,261)	$ 81.24	$ (102,445)	-48.84%
COLUMBIA	SW	73.7	17,073	23,166	68.6	15,884	8,183	(7,701)	$ 92.36	$ (711,249)	-48.48%

- Outagamie County ranked 68th in the state with a 10.94% increase over that pre-brine maker 5-year average.

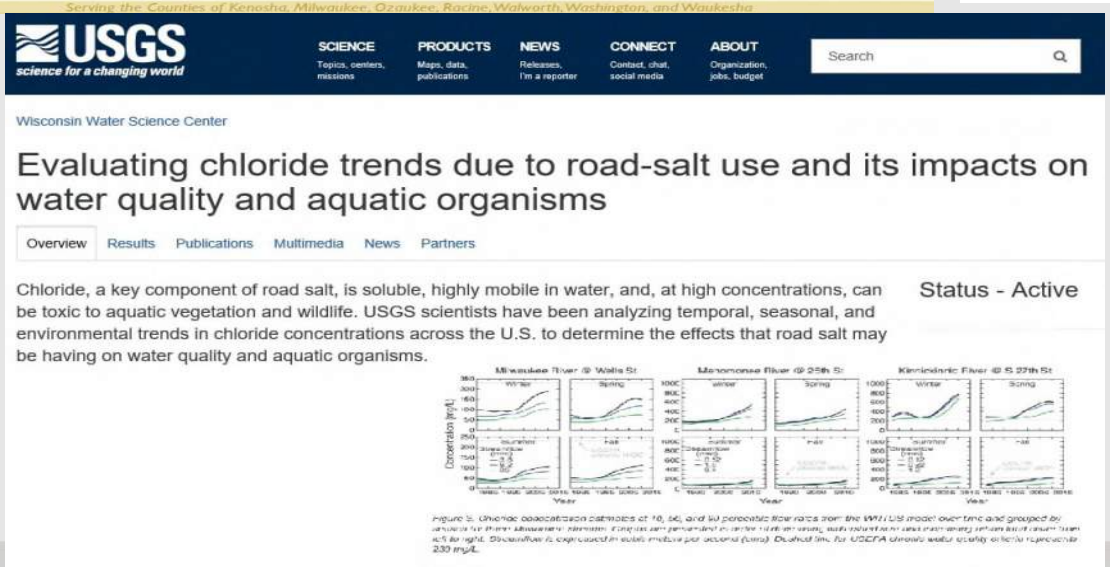
Current WisDOT Salt Reduction Focus

- Why:
  - Our Environment
    - Significantly reduce environmental impacts to our natural resources
  - Costs
    - Salt Prices continue to go up
    - Roughly 40% of Winter Costs are now just salt

Growing Environmental Concerns





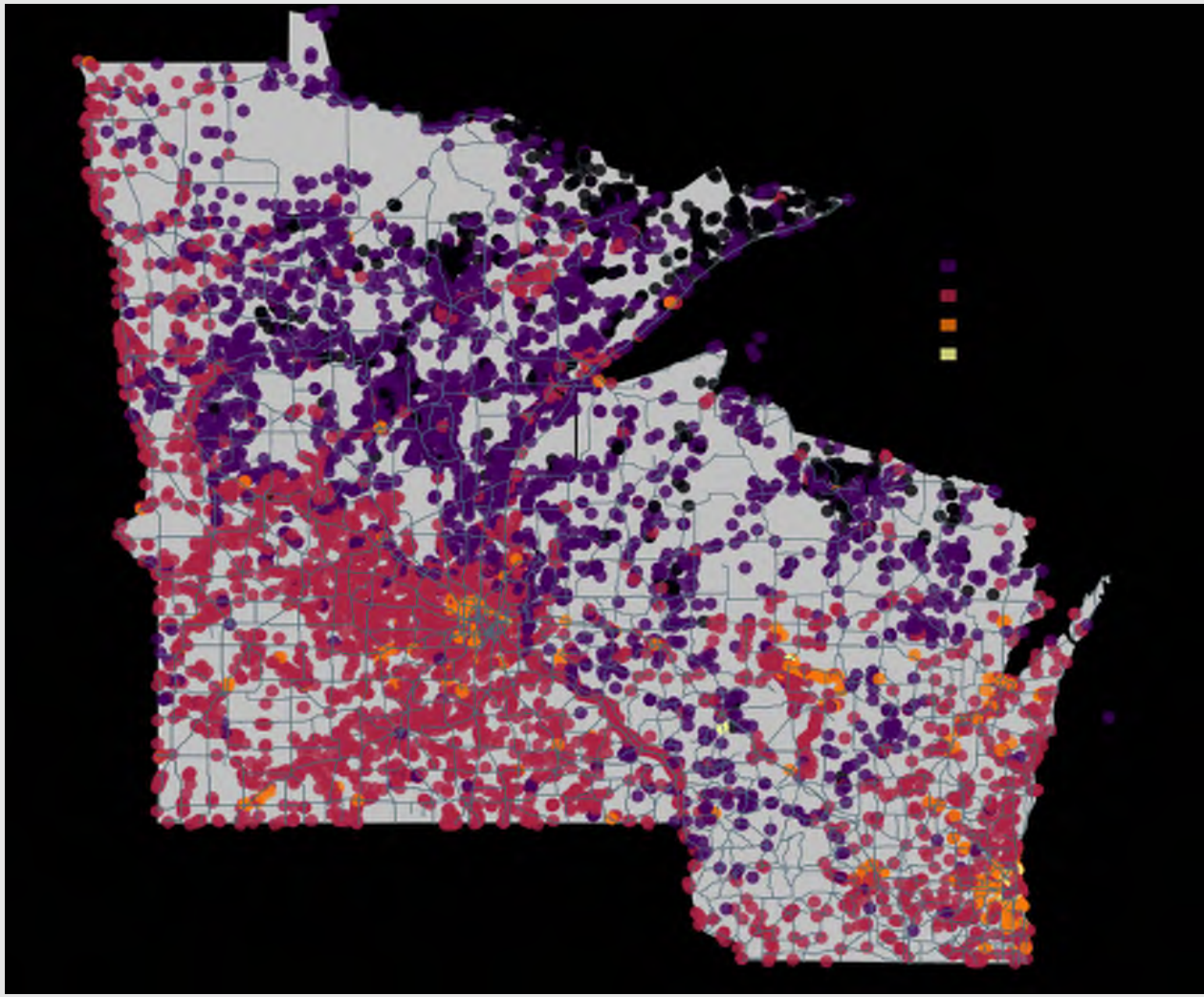




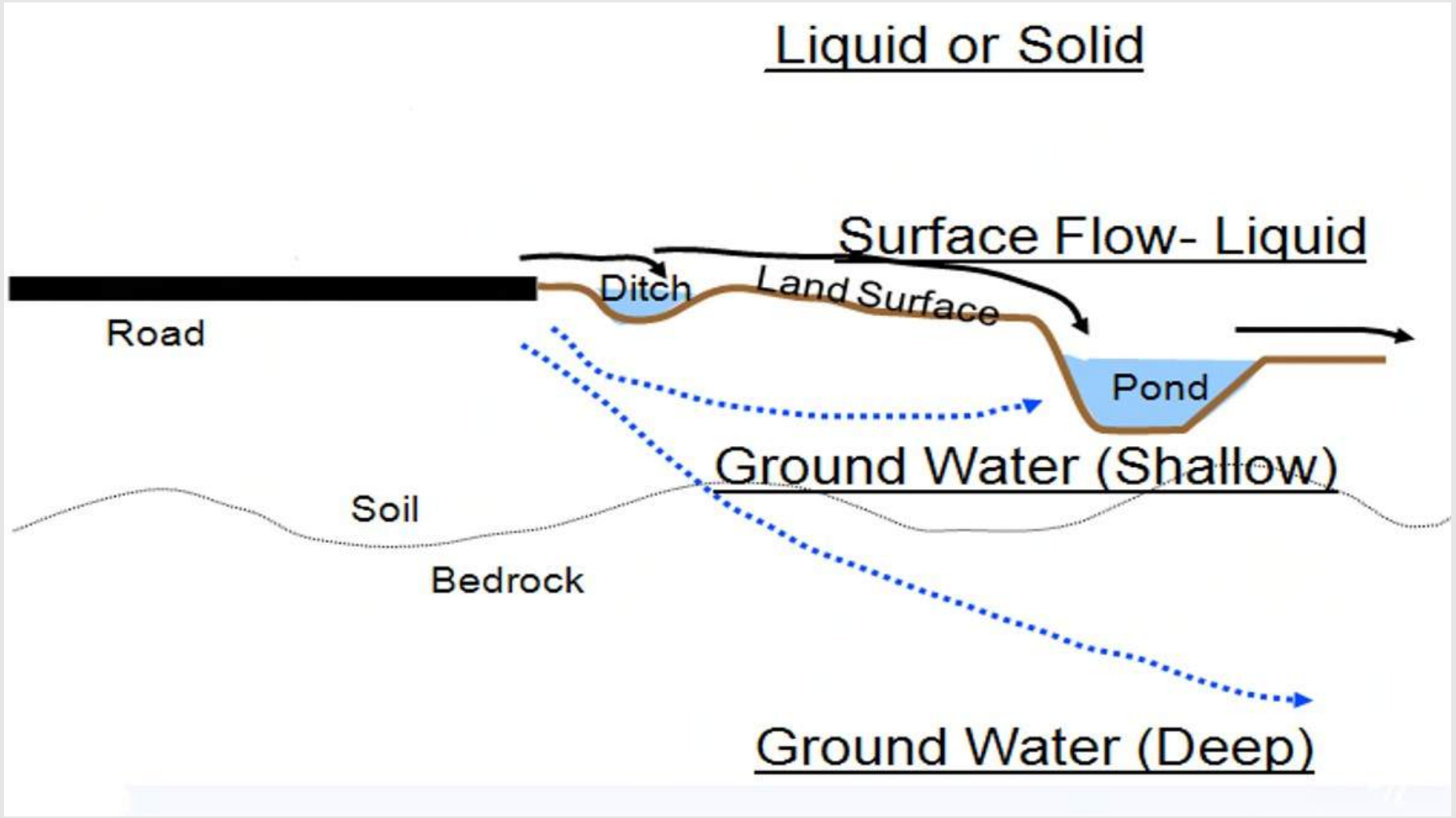
Chlorides affecting Lakes & Streams

- <10mg/l = Normal
- 10-100 mg/l = Impacted
- 100-1,000 mg/l = Highly Impacted
- >1,000 mg/l = Severely Impacted





Road Salt Pathway to Environmental Receptors



Road Salt and Ecosystem Quality

- Short Term Effects of Salt (NaCl)
  - Increase attraction of salt-loving species (road kill)
  - Foliar Burning (can be seen on vegetation in high salt use areas)
  - Loss of salt sensitive species (plants, animals and fish)
- Long Term Effects of Salt (NaCl)
  - Decrease in surface water diversity (toxic levels exceeded for sensitive species)
  - Dominance by salt-tolerant invasive species
  - Vernal pool decline
- Trends
  - Decrease in surface water diversity
  - Increase in invasive species (plants)
  - Loss of high quality ground water (for many decades)



Causing Problems with Drinking Water

LOCAL GROUNDWATER

Madison Water Utility Well 14:

2000 = 58 mg/L

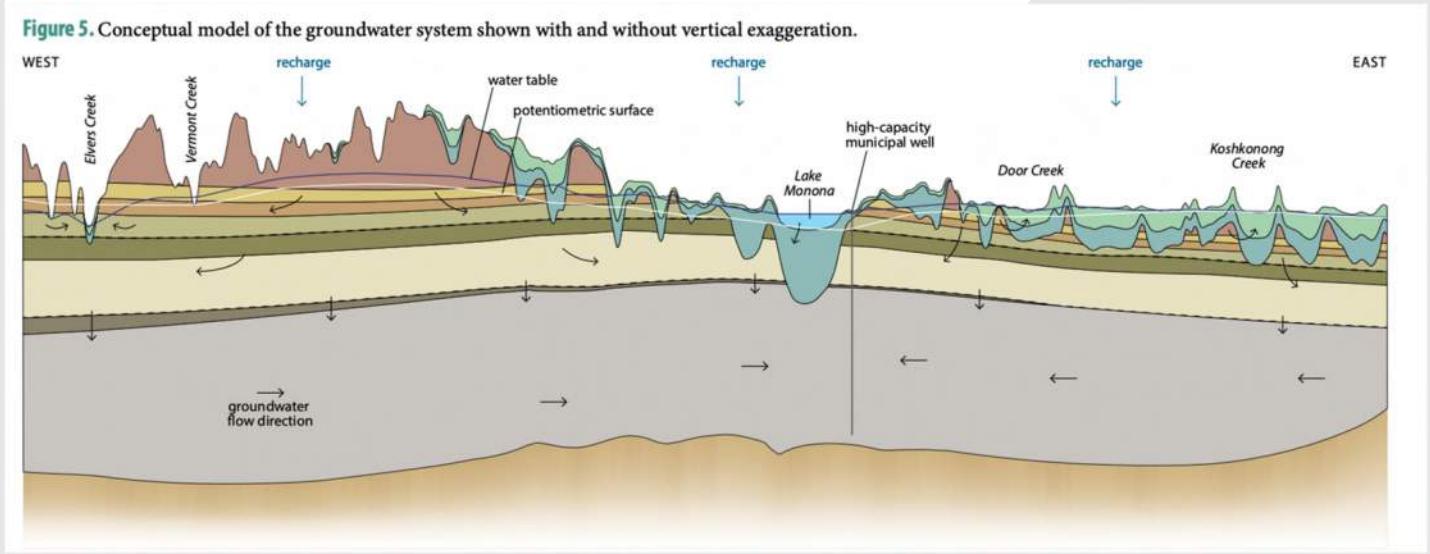
2016 = 135 mg/L

2018 = 150 mg/L

>235 mg/l is EPA threshold for contamination for drinking water

WISCONSIN STATE JOURNAL

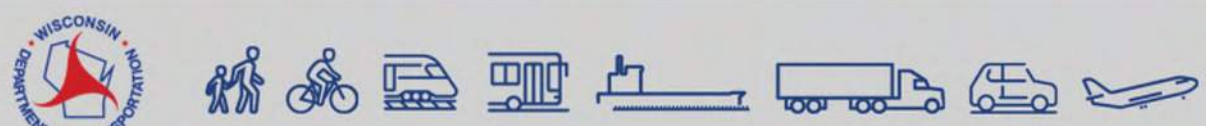
Madison Water Utility studies solutions for salt problem at West Side well



The 2016 Groundwater Flow Model for Dane County, Wisconsin

What are We Doing About Salt?

- We continue with the Brine Technical Advisory Committee (TAC)
- The State has allocated money to assist in the research of liquid application rates and additives
- State and counties working together bringing in experts to provide education and training.
- UW TOPS lab has completed a brine study with multiple counties to show cost/benefit as well as effectiveness of brine vs rock salt
- The State is assisting purchases of high-capacity brine makers.
- Counties are engaging in additional plow driver training with an emphasis on material use. Some counties have “material use programs”
- Clear Roads has completed a research project to better define liquid application rates and blends when using additives. Wisconsin was the lead State in the project



UW TOPS Lab Brine Study Results

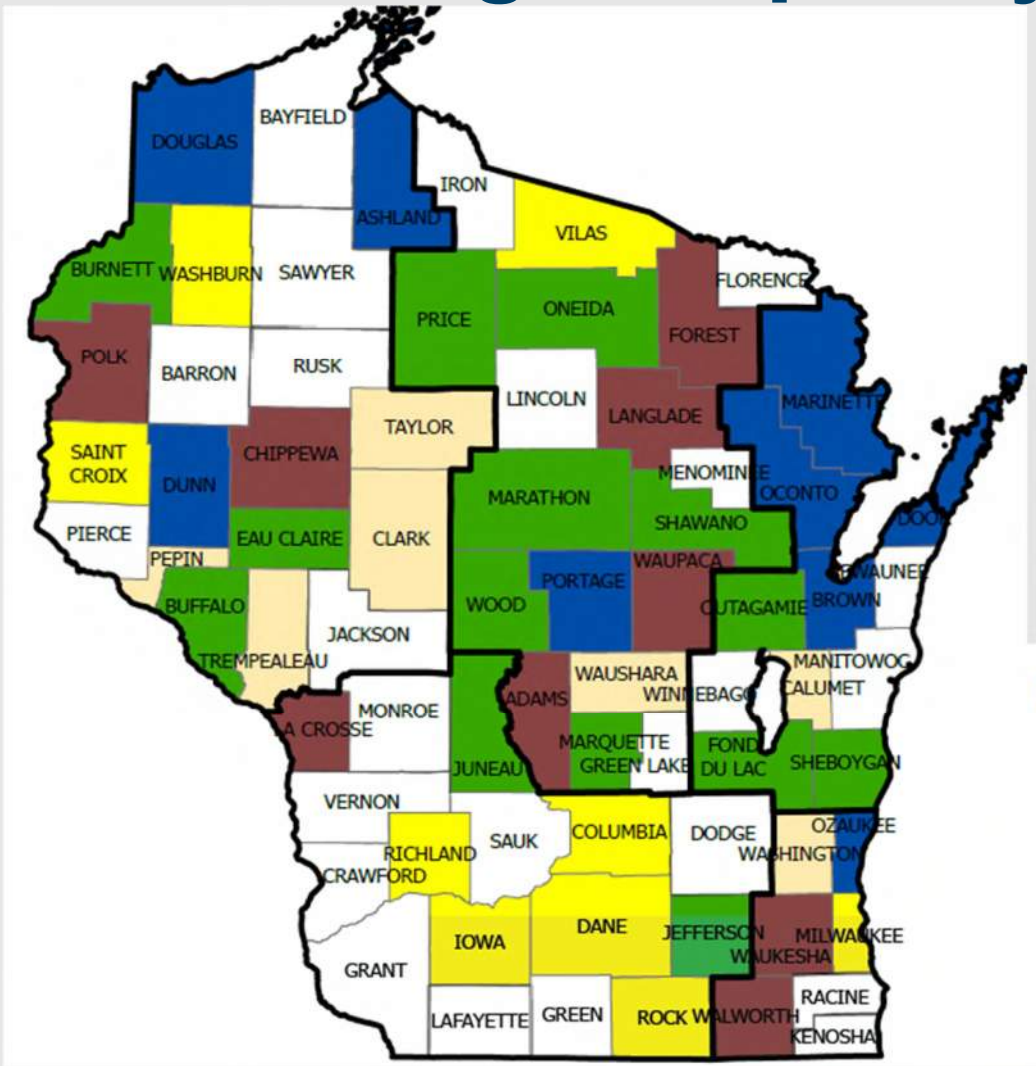
- Researchers looked at data from 143 storms occurring in 10 counties across Wisconsin. It compared brine-cleared routes to those nearby cleared with a traditional granular rock-salt method. The data showed that brine-treated roads were:
  - Clear (bare/wet condition) was reached 11.9% quicker.
  - More likely to show a higher friction rating, on average 15% better with liquids
  - More efficient with material – reducing salt use on average by 23%, but also shows can be above 50% on any given storm.
- Copy of the full report can be found here:
  - https://topslab.wisc.edu/research/tse/evaluation-of-winter-maintenance-with-salt-brine-applications-in-wisconsin/

What can you do to reduce road salt use?

- Always keep your highway safe.
- Attend training on the use of liquids…this is a primary topic being discussed from the Technical Advisory Committee.
- Don't be afraid moving forward using more liquid applications and slowly dialing down the granular material use.
- Share what you're learning with others. The State has gathered information through the University Wisconsin Traffic Operations and Safety (TOPS) Laboratory through a Clear Roads project and has developed application rates and recipes for our varying winter events.
- Track your own material use and compare with other drivers fighting the same winter storm. Talk about what is working well and what is not working well. Please share this with your patrol supervisor.
- Work to develop a county materials use program that can be reviewed after every storm event.
- Request data on your county, region and national levels that can be provided by the Bureau of Highway Maintenance. Learn where you fit in on use of salt compared to other counties, regions and states that are finding success. Compare this with your section on material use.
- Assist and educate other public entities on how to reduce salt, explain the environmental impacts and best winter management practices.



High-Capacity Brine Maker Map



- State has purchased 34 HCBM's to date
- 9 Counties have directly purchased a HCBM on their own
- Have 7 counties requesting a state financed HCBM for purchase in next few years
- 50/72 of counties already have or are looking at increasing their liquid use with a HCBM

State Funded High Capacity Brine Maker

- FY 20 funded (or earlier)
- FY 21 (approved)
- FY 22 (approved)
- FY 23 (requested)
- No
- Own

WANT TO REDUCE ROAD SALT IMPACTS ON ECOSYSTEMS AND INFRASTRUCTURE? JUST ADD WATER.

Dr. Hilary Dugan University of Wisconsin



GRE FEBRUARY 2023

PROJECT ID: 4160-06-71

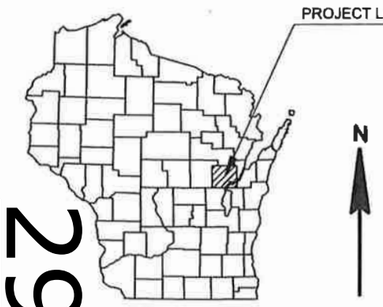
COUNTY: OUTAGAMIE

29

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 230



DESIGN DESIGNATION

A.A.D.T.	(2023)	=	24,500
A.A.D.T.	(2043)	=	30,000
D.H.V.		=	-
D.D.		=	0.5
T.		=	3.0%
DESIGN SPEED		=	40 MPH
ESALS		=	1,570,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such)
- SPECIAL DITCH
- GRADE ELEVATION
- CULVERT (Profile View)

UTILITIES
- ELECTRIC
- FIBER OPTIC
- GAS
- SANITARY SEWER
- STORM SEWER
- TELEPHONE
- WATER
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

V KIMBERLY - CTH N

S RAILROAD ST INTERSECTION

CTH CE

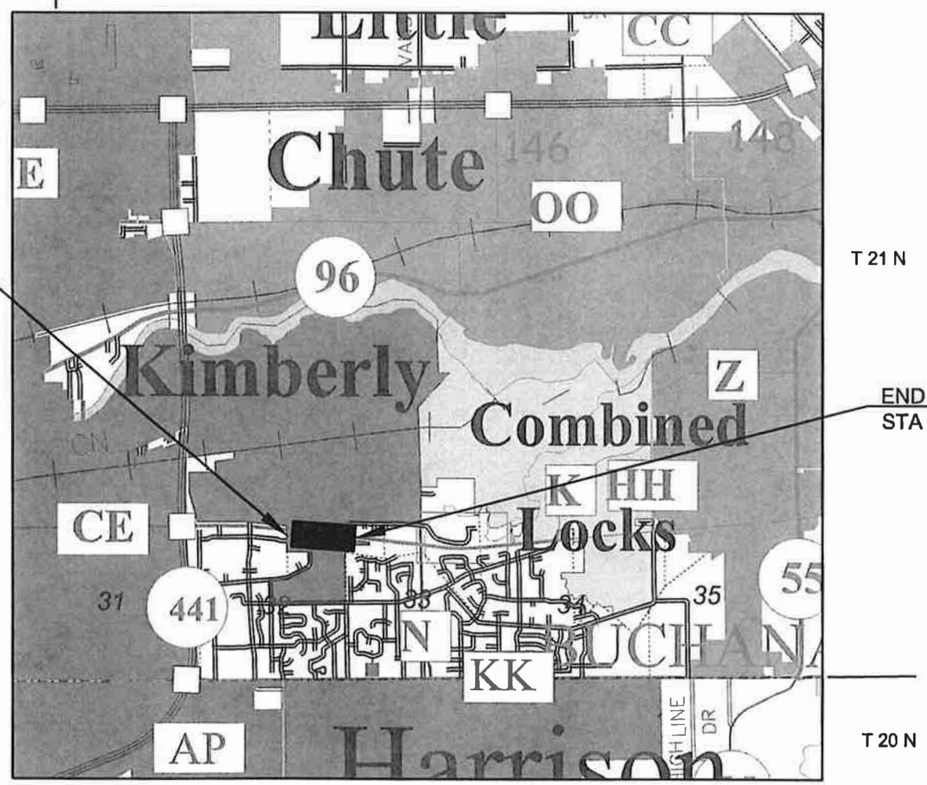
OUTAGAMIE COUNTY

COUNTY PROJECT NUMBER
4160-06-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4160-06-71	WISC 2023231	1

BEGIN PROJECT
STA 130+60EB
Y=560801.266
X=844375.511

END PROJECT
STA 149+00EB



LAYOUT

SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.348 Miles

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), OUTAGAMIE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID12B.

ACCEPTED FOR
OUTAGAMIE COUNTY

10/12/2022
DATE
COUNTY HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY
AYRES

WISCONSIN
RYAN D. SCHAITEL
44367
GREEN BAY, WI
PROFESSIONAL ENGINEER

10/12/2022
(Date)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	AYRES
Designer	AYRES
Project Manager	JODI JAROSINSKI
Regional Supervisor	BRIAN EDWARDS

APPROVED FOR THE DEPARTMENT

DATE: 10/13/2022 Jodi Jarosinski
(Signature)

E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\010101_TI.DWG PLOT DATE : 10/12/2022 10:44 AM PLOT BY : SCHAITEL, RYAN PLOT NAME :

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

CURB AND GUTTER ELEVATIONS ARE ALONG THE FLANGE LINE UNLESS OTHERWISE NOTED.

RADIUS POINTS, UNLESS OTHERWISE NOTED, ARE TO FACE OF CURB.

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS.

PROPERTY LINES SHOWN ARE APPROXIMATE.

UTILITIES

* AMERICAN TRANSMISSION COMPANY — TELEPHONE 262-506-6884
P.O. BOX 47
WAUKESHA, WI 53187-0047
ATTN: MR. CHRIS DAILEY
E-MAIL: tmarciniak@atcllc.com

* AT&T WISCONSIN-DISTRIBUTION — TELEPHONE 920-465-3882
CELL 920-227-3535
3198 S. RIDGE ROAD
GREEN BAY, WI 54304
ATTN: MR. MATT WIRZ
E-MAIL: mw2416@att.com

* SPECTRUM — TELEPHONE 920-831-9249
3545 E. DESTINATION DRIVE
APPLETON, WI 54915
ATTN: MR. VINCE ALBIN
E-MAIL: vince.albin@charter.com

* TDS — TELEPHONE 608-845-2219
171 PAOLI STREET
VERONA, WI 53593
ATTN: MR. JEFF OLSON
E-MAIL: jeffrey.olson@tdstelecom.com

* VILLAGE OF KIMBERLY-WATER & SANITARY — TELEPHONE 920-788-7500
515 W. KIMBERLY AVENUE
KIMBERLY, WI 54136
ATTN: MR. JERRY VERSTEGEN
E-MAIL: water@vokimberly.org

* WE ENERGIES-ELECTRIC — TELEPHONE 920-380-3450
CELL 920-450-5648
800 S. LYNDALE DRIVE
APPLETON, WI 54914
ATTN: MR. SHANE BRUHNKE
E-MAIL: shane.bruhnke@we-energies.com

* WE ENERGIES-GAS — TELEPHONE 920-380-3240
800 S. LYNDALE DRIVE
APPLETON, WI 54914
ATTN: MR. EDDIE HEDLUND
E-MAIL: eddie.hedlund@we-energies.com

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA= 2.86 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.76 ACRES
SOIL GROUP D

STANDARD ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	NC	NORMAL CROWN
AC	ASPHALT CEMENT	PT	POINT OF TANGENCY
AGG	AGGREGATE	PC	POINT OF CURVATURE
ASPH	ASPHALT	PI	POINT OF INTERSECTION
BM	BENCH MARK	PE	PRIVATE ENTRANCE
C/L	CENTERLINE	R	RADIUS
CONC	CONCRETE	REM	REMOVE
CMP	CORRUGATED METAL PIPE	R/L OR RL	REFERENCE LINE
CR.	CREEK	RCCP	REINFORCED CONCRETE CULVERT PIPE
D	DEGREE OF CURVE	RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
DHV	DESIGN HOUR VOLUME	R.O.	RUNOUT
ESALS	EQUIVALENT SINGLE AXIS LOADS	R/W	RIGHT-OF-WAY
EXIST	EXISTING	STA	STATION
FE	FIELD ENTRANCE	SE	SUPER ELEVATION
HYD	HYDRANT	SS	STORM SEWER
IP	IRON PIPE OR PIN	T	TANGENT
L	LENGTH OF CURVE	TEL	TELEPHONE
LC	LONG CHORD OF CURVE	TLE	TEMPORARY LIMITED EASEMENT
LR	LENGTH OF RUNOFF	T	TRUCKS
MH	MANHOLE	VC	VERTICAL CURVE
		W	WELL

OUTAGAMIE COUNTY HIGHWAY COMMISSIONER

OUTAGAMIE COUNTY HIGHWAY DEPT — TELEPHONE 920-209-9807
CELL 920-832-5673
1313 HOLLAND ROAD
APPLETON, WI 54911
ATTN: MR. JOE ZELLMER

DESIGN CONTACT

AYRES — TELEPHONE 920-327-7840
3376 PACKERLAND DRIVE
DE PERE, WI 54115-9586
ATTN: MR. RYAN SCHAITEL
E-MAIL: schaitelr@ayresassociates.com

DEPARTMENT OF NATURAL RESOURCES

WDNR — TELEPHONE 920-366-1544
2984 SHAWANO AVENUE
P.O. BOX 10448
GREEN BAY, WISCONSIN 54313
ATTN: MATT SCHAEVE
E-MAIL: matthew.schaeve@wisconsin.gov

2

N

EISENHOWER DRIVE

TRUMAN STREET

RAILROAD STREET

CONSTRUCTION LIMITS
STA. 11+52.8RR

CE TRAIL

130EB

CTH CE

135EB

140EB

145EB

150EB

BEGIN PROJECT
STA. 130+60EB
Y = 560801.266
X = 844375.511

VAN ROY ROAD

CONSTRUCTION LIMITS
STA. 7+67.5RR

BETTER WAY

RAILROAD STREET

END PROJECT
STA. 149+00EB
Y = 560572.857
X = 846201.262

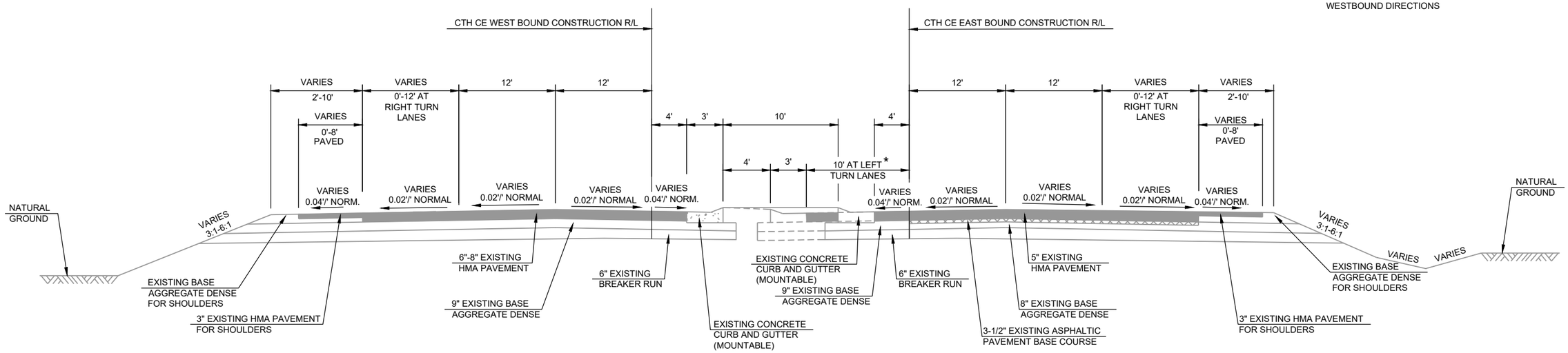
EISENHOWER DRIVE

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN OVERVIEW	SHEET 3	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\020201_PO.DWG
LAYOUT NAME - 020201_po
PLOT DATE : 10/31/2022 8:04 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1:250
WISDOT/CADDS SHEET 42

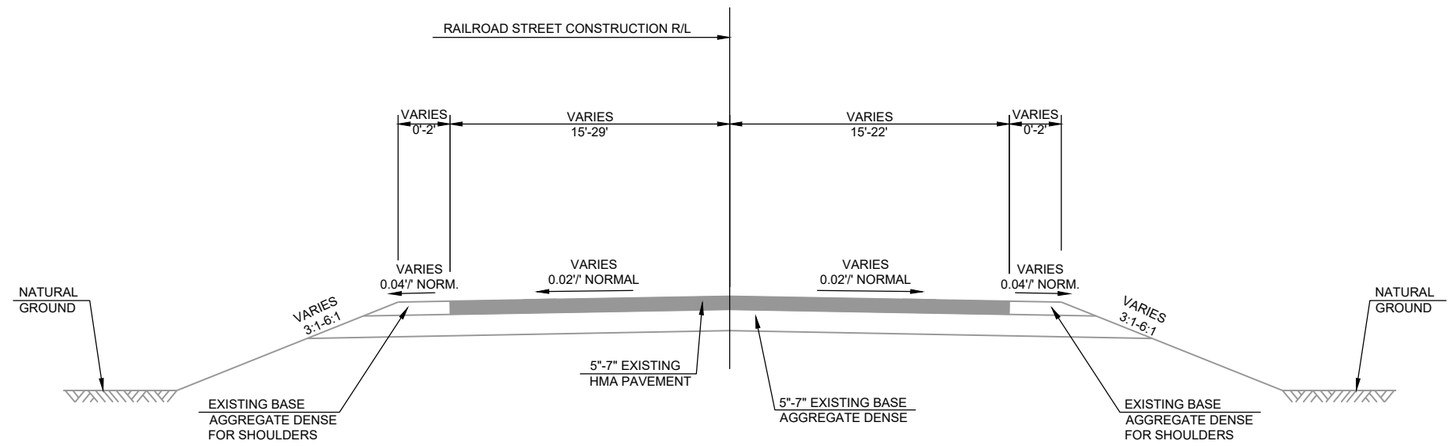
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* LEFT TURN LANES FOR BOTH EASTBOUND AND WESTBOUND DIRECTIONS



EXISTING TYPICAL SECTION FOR CTH CE

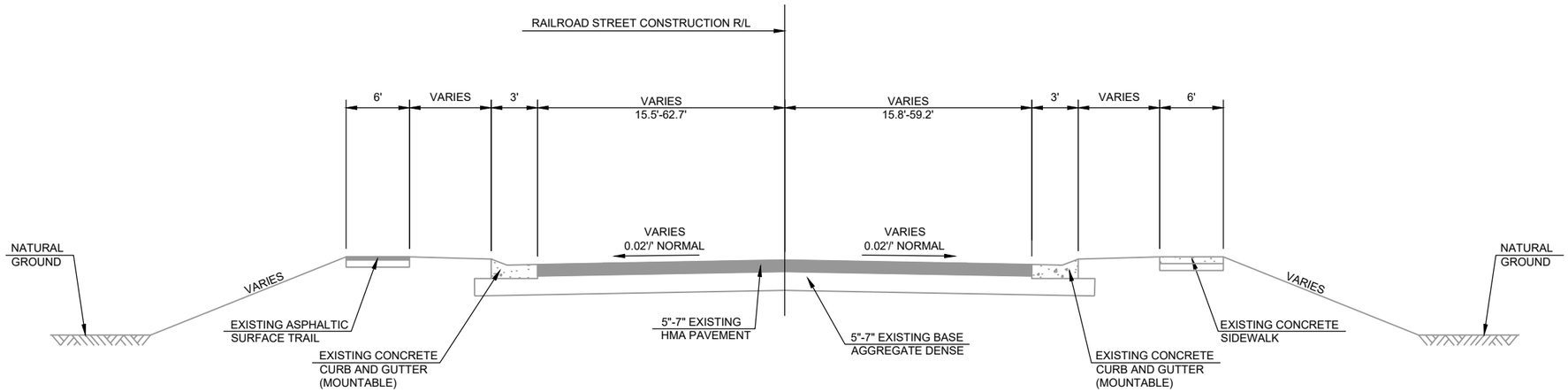
STA. 130+60EB - STA.149+00EB



EXISTING TYPICAL SECTION FOR RAILROAD STREET

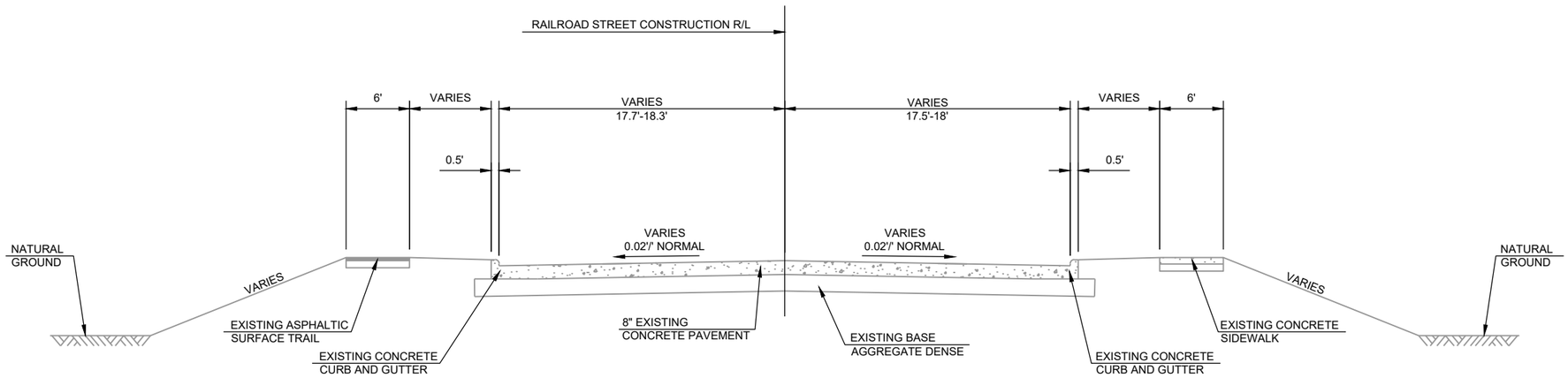
STA. 7+67.5RR - STA.9+51.5RR

2



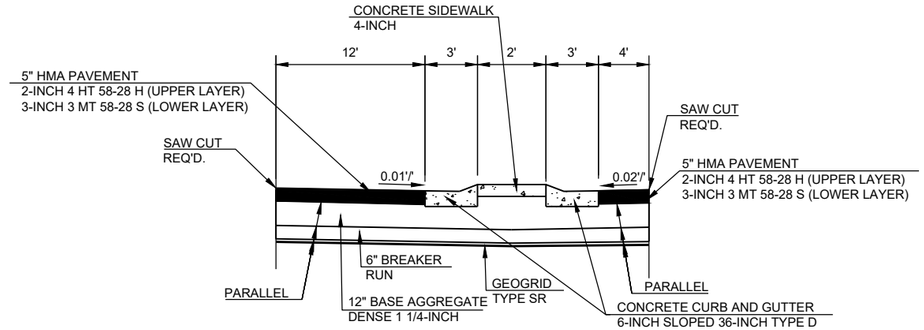
EXISTING TYPICAL SECTION FOR RAILROAD STREET

STA. 10+28.7RR - STA. 11+19.8RR

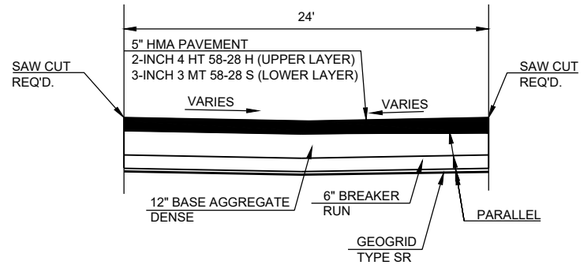


EXISTING TYPICAL SECTION FOR RAILROAD STREET

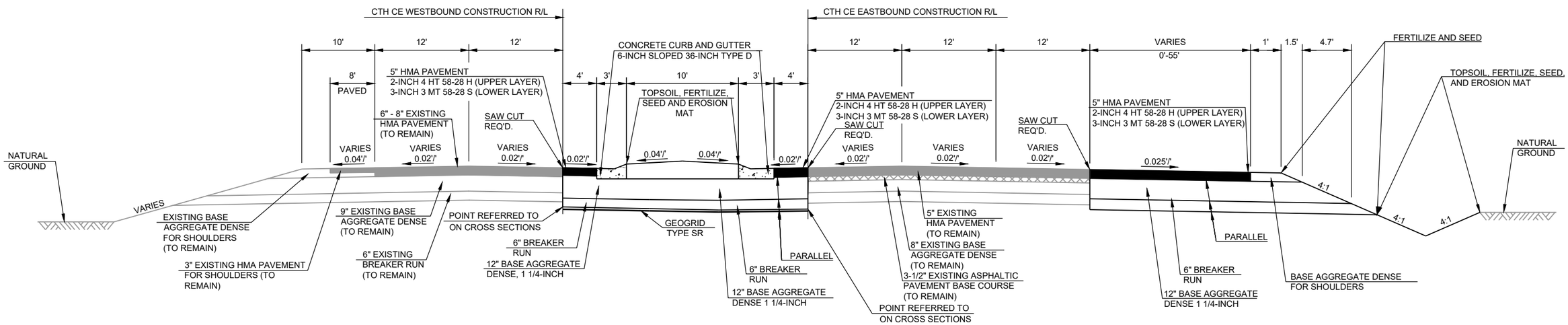
STA. 11+19.8RR - STA. 11+52.8RR



STA. 131+44.2EB - STA. 132+55.0EB



STA. 130+96.4EB - STA. 131+44.2EB

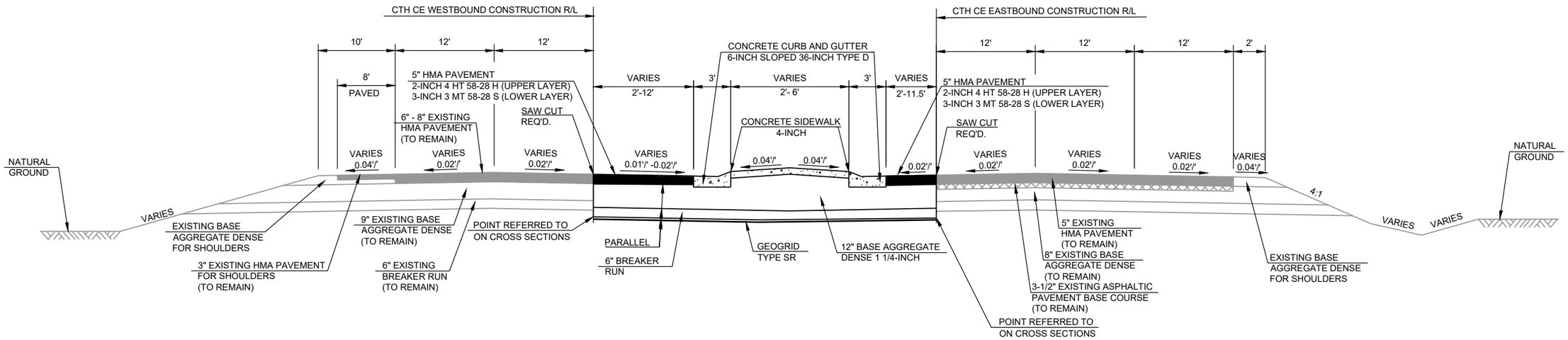


STA. 130+60.0EB - STA. 130+96.4EB

FINISHED TYPICAL SECTION FOR CTH CE

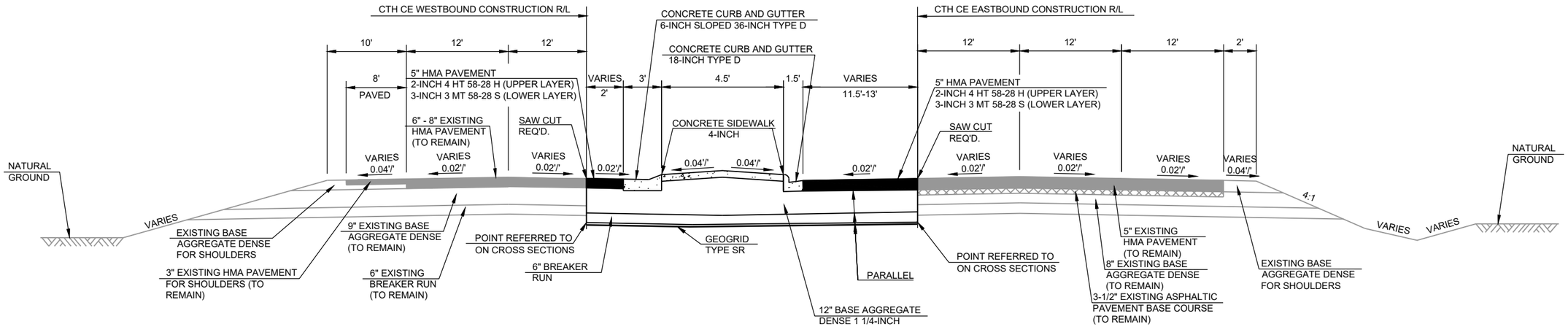
STA. 130+60EB -132+55EB

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 6	E



FINISHED TYPICAL SECTION FOR CTH CE

STA. 132+55.0EB -135+64.5EB

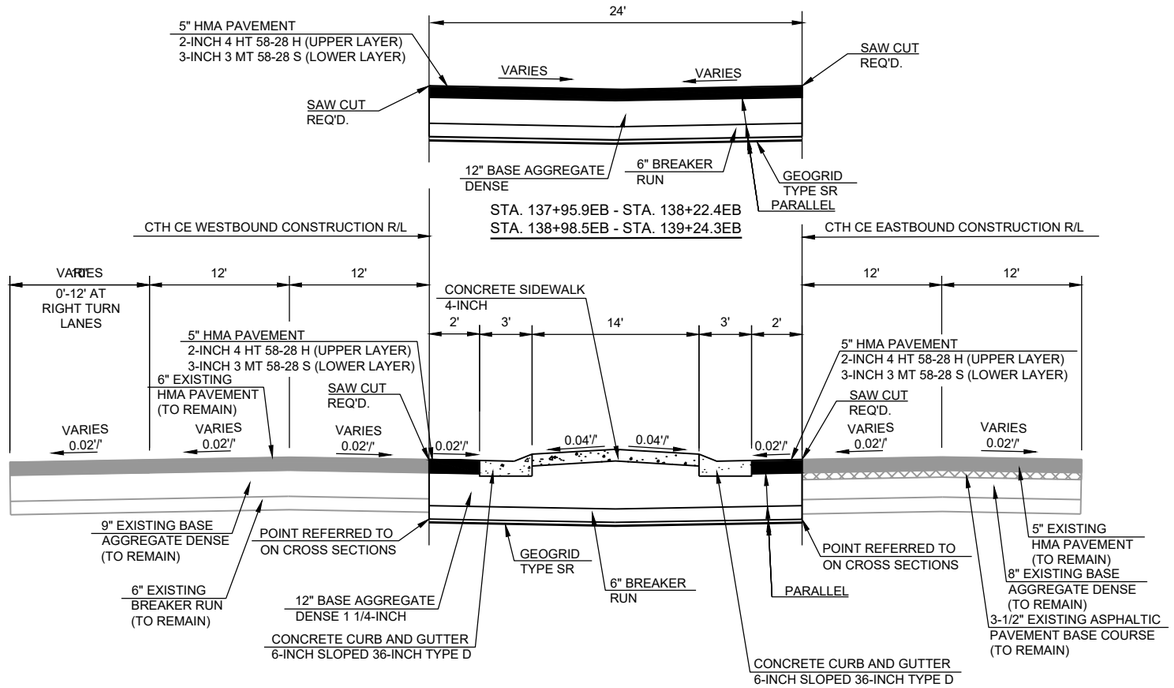


FINISHED TYPICAL SECTION FOR CTH CE

STA. 135+64.5EB -137+95.9EB

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 7	E

2

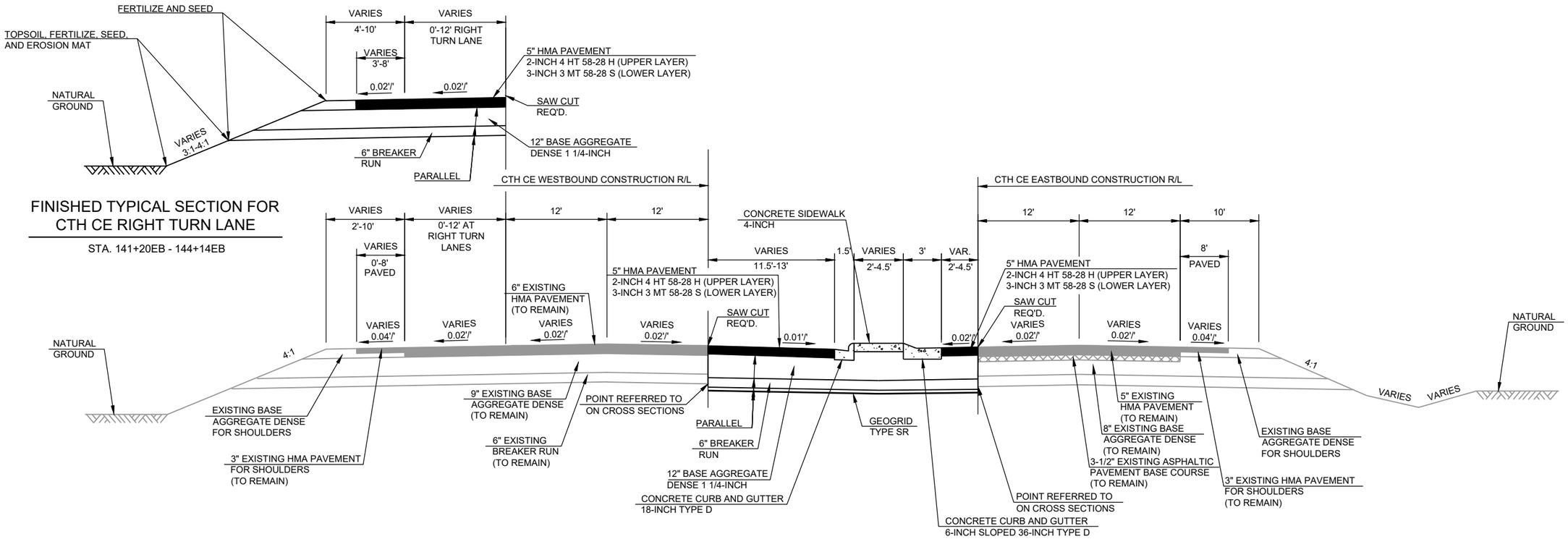


FINISHED TYPICAL SECTION FOR CTH CE

STA. 137+95.9EB - 139+24.3EB

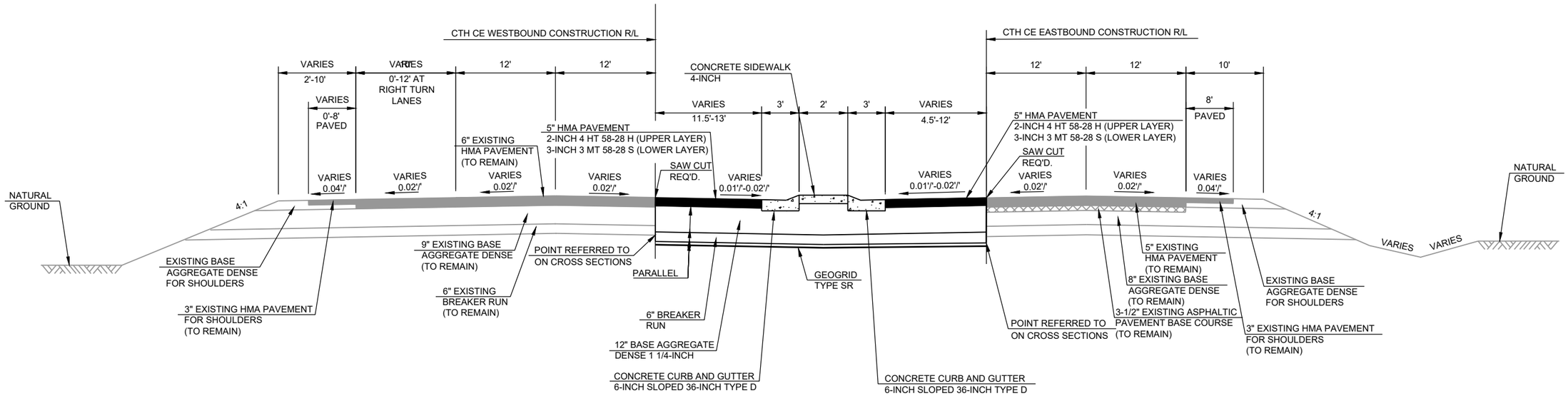
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 8	E

2



FINISHED TYPICAL SECTION FOR CTH CE RIGHT TURN LANE

STA. 141+20EB - 144+14EB



FINISHED TYPICAL SECTION FOR CTH CE

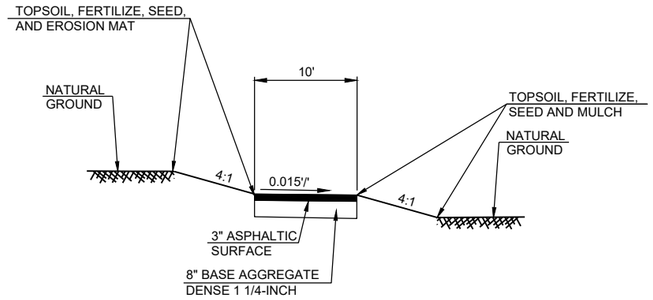
STA. 139+24.3EB - 143+41.6EB

FINISHED TYPICAL SECTION FOR CTH CE

STA. 143+41.6EB - 146+91.3EB

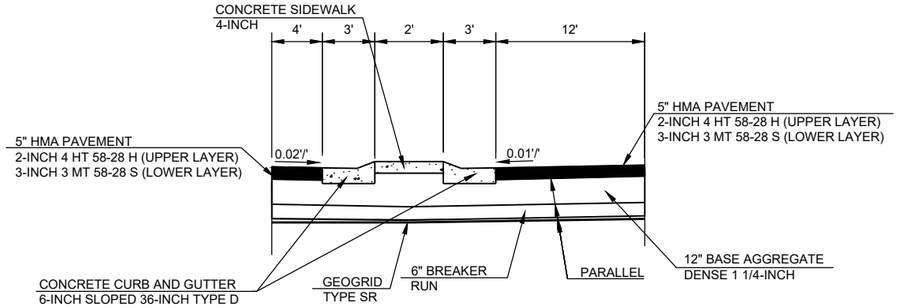
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2

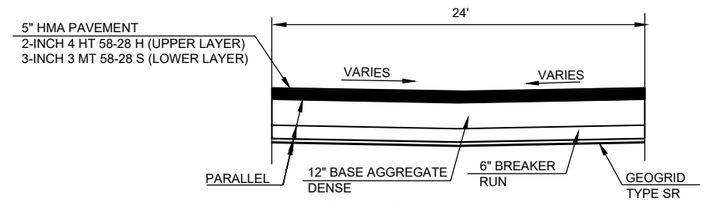


FINISHED TYPICAL SECTION FOR TRAIL

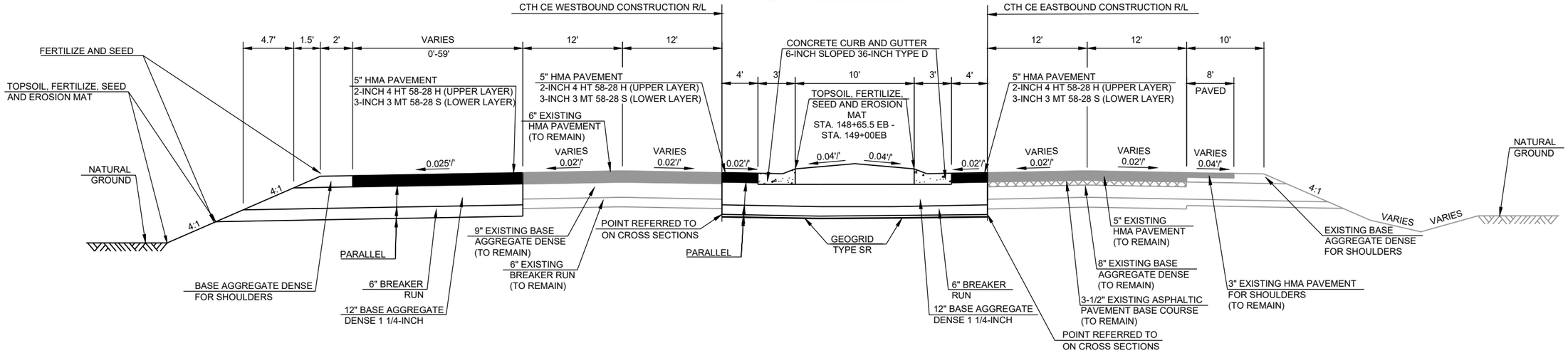
STA. 146+54.5EB - STA. 149+99.6EB



STA. 146+91.3EB - STA. 148+14.9EB



STA. 148+14.9EB - STA. 148+65.5EB



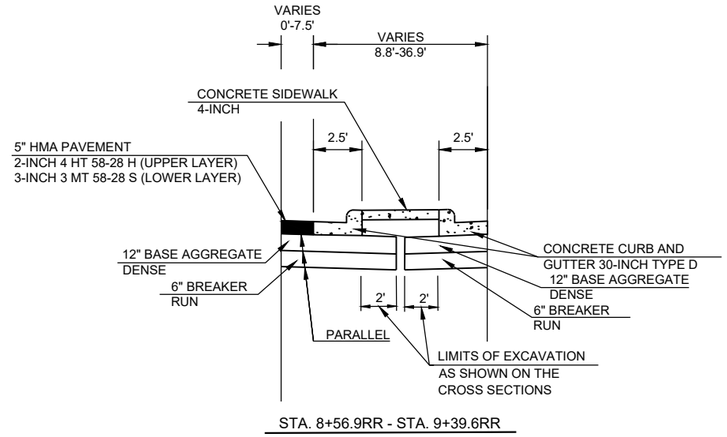
STA. 148+65.5EB - STA. 149+00.0EB

FINISHED TYPICAL SECTION FOR CTH CE

STA. 146+91.3EB - STA. 149+00.0EB

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 10	E

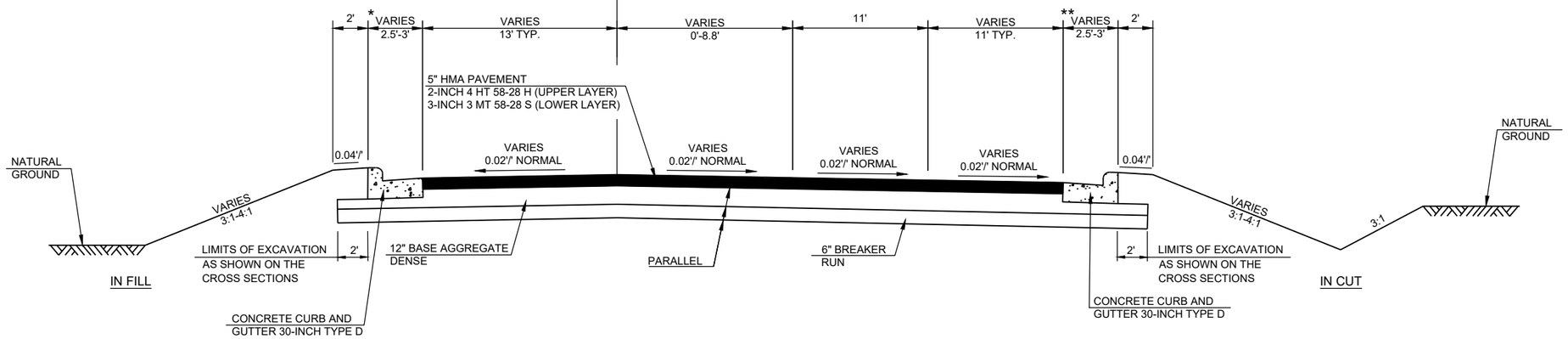
2



STA. 8+56.9RR - STA. 9+39.6RR

* TRANSITION TO CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D AT STA. 9+02.5RR (REFER TO CONSTRUCTION DETAIL)

** TRANSITION TO CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D AT STA. 8+67.7RR (REFER TO CONSTRUCTION DETAIL)

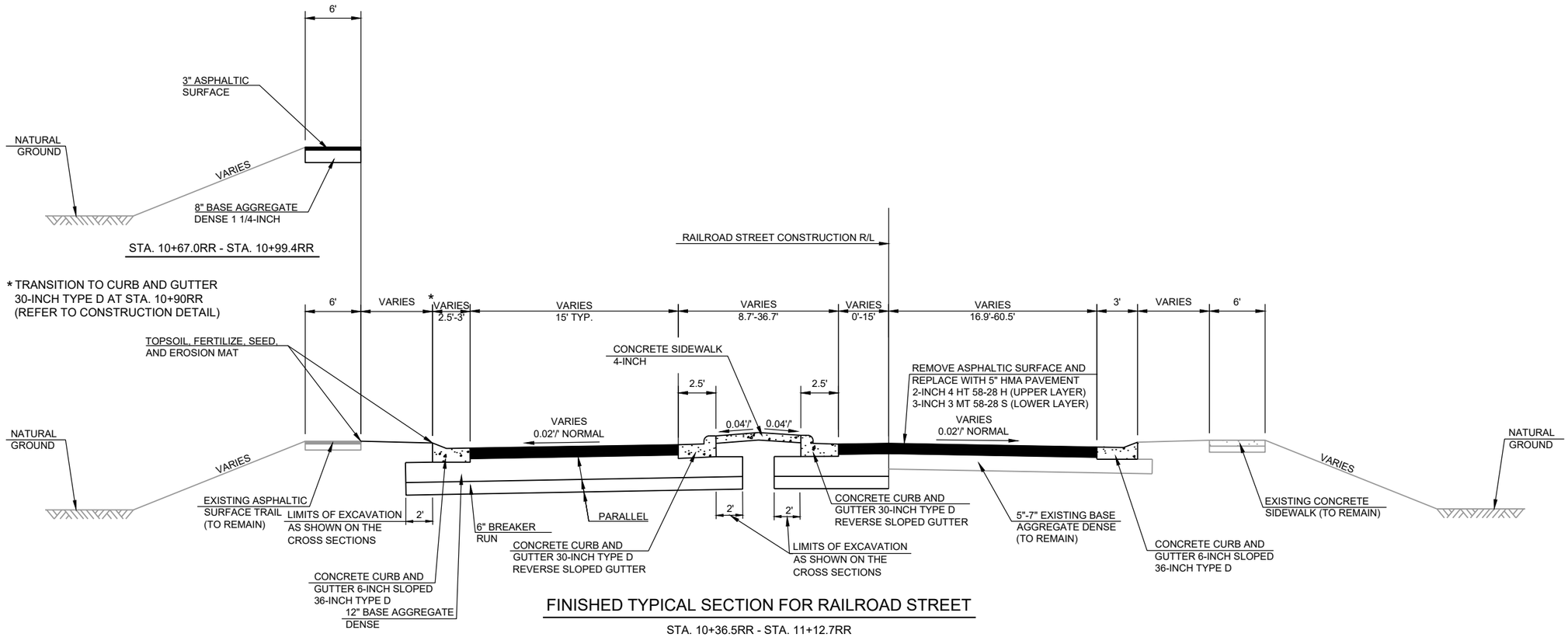


FINISHED TYPICAL SECTION FOR RAILROAD STREET

STA. 7+67.5RR - STA. 9+39.5RR

NOTE: FOR CURB AND GUTTER AT PROJECT MATCH ALONG EAST SIDE OF RAILROAD, TRANSITION FROM CONCRETE CURB REVERSE SLOPE TO STANDARD SLOPED CONCRETE CURB AND GUTTER OVER 10'.

2

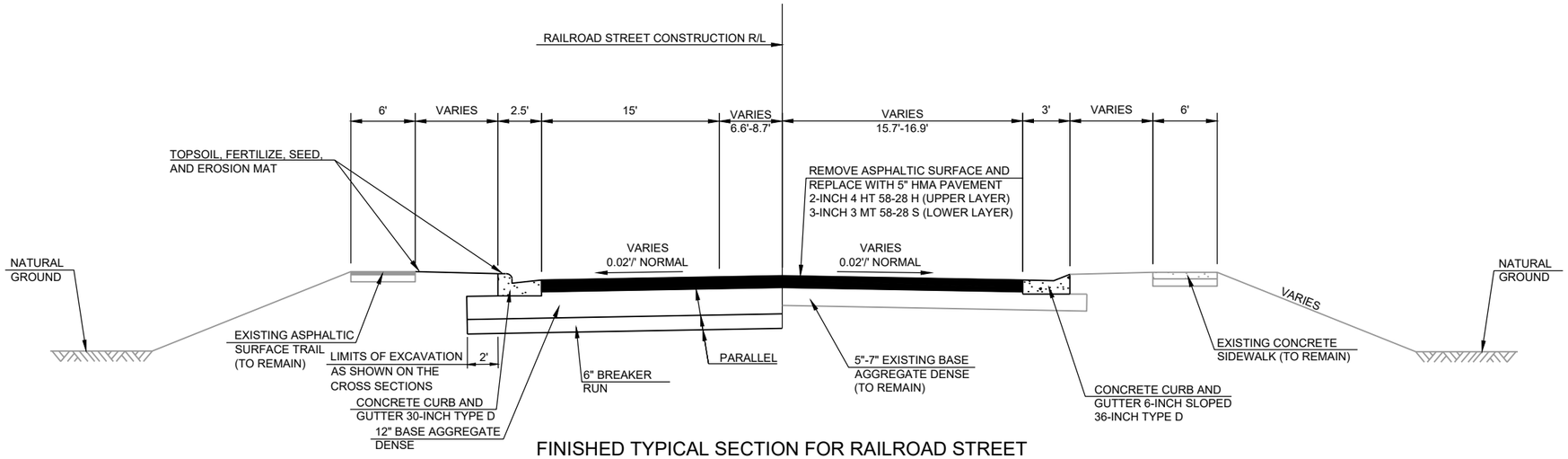


STA. 10+67.0RR - STA. 10+99.4RR

* TRANSITION TO CURB AND GUTTER 30-INCH TYPE D AT STA. 10+90RR (REFER TO CONSTRUCTION DETAIL)

FINISHED TYPICAL SECTION FOR RAILROAD STREET

STA. 10+36.5RR - STA. 11+12.7RR

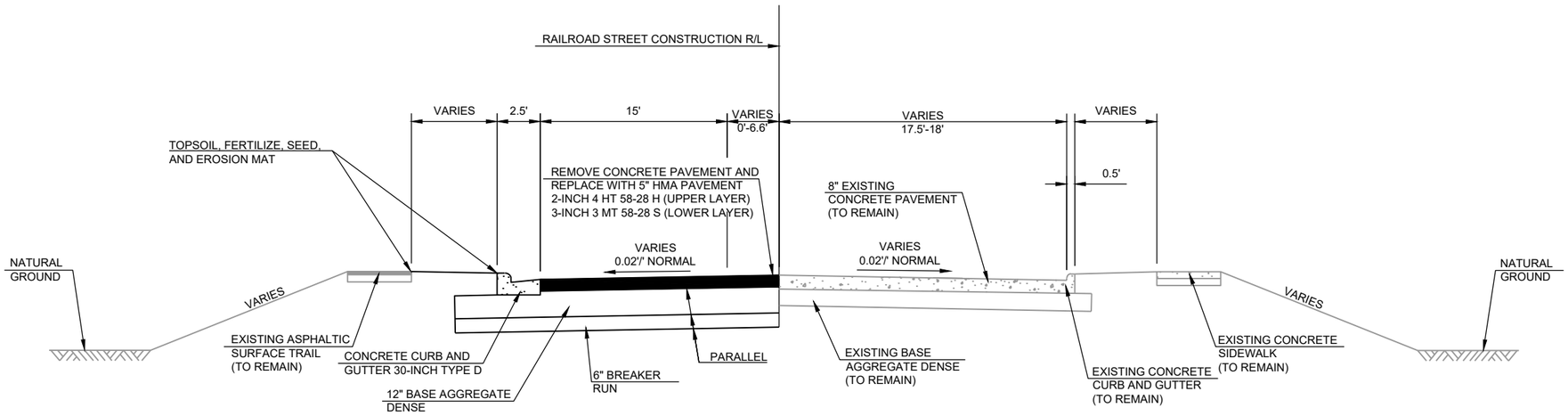


FINISHED TYPICAL SECTION FOR RAILROAD STREET

STA. 11+12.7RR - STA. 11+19.8RR

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 12	E

2

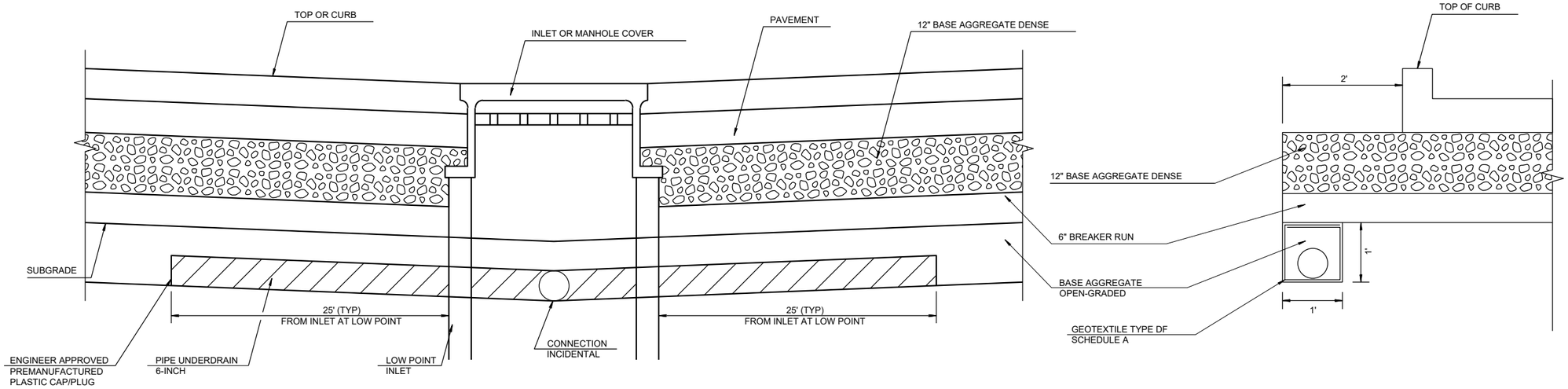


FINISHED TYPICAL SECTION FOR RAILROAD STREET

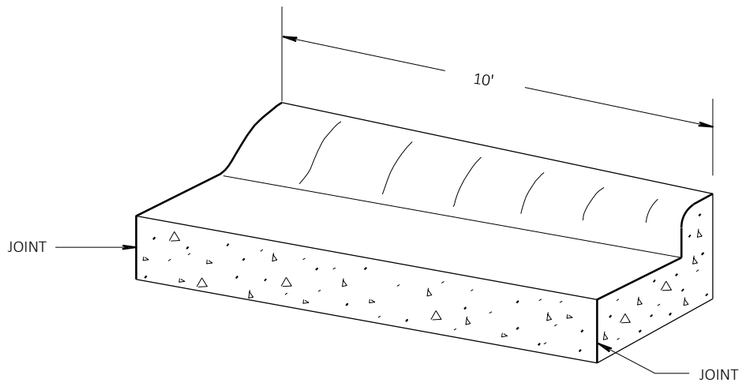
STA. 11+19.8RR - STA. 11+52.8RR

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 13	E

2

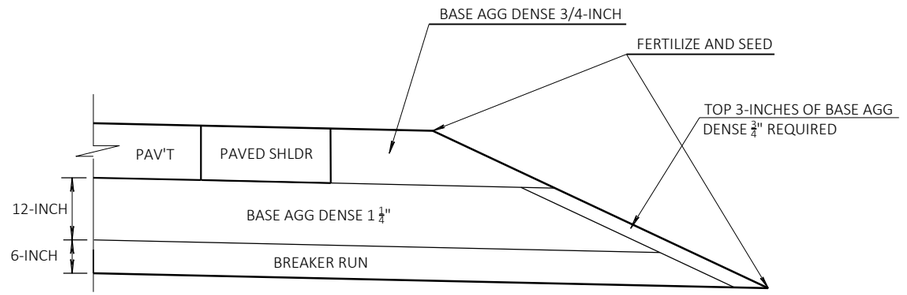


PIPE UNDERDRAIN DETAIL



TRANSITION DETAIL

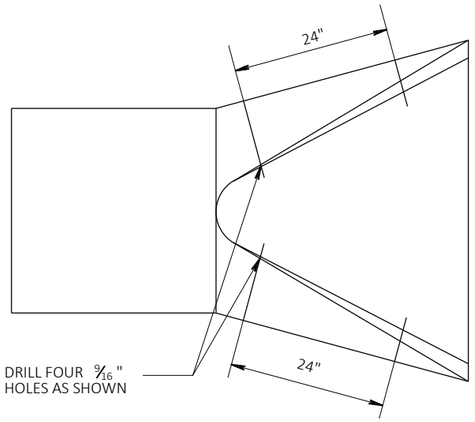
36" TYPE "D" CURB & GUTTER TO 18" OR 30" TYPE "D" CURB & GUTTER
(TO BE MEASURED & PAID FOR AS 36" CONC. C&G)

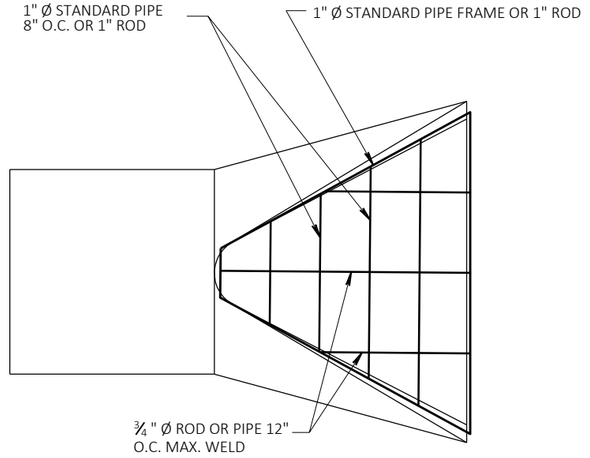


BASE AGGREGATE DENSE 3/4-INCH FOR SHOULDERS

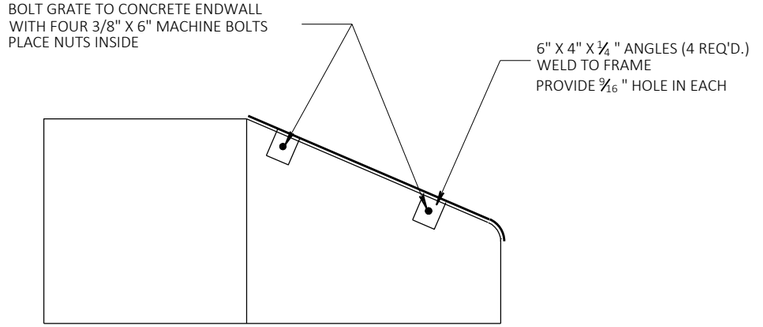
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 14	E

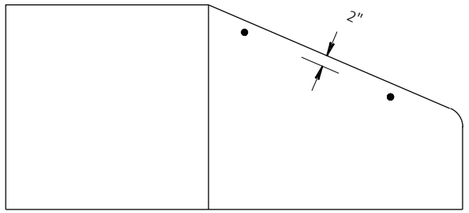
2

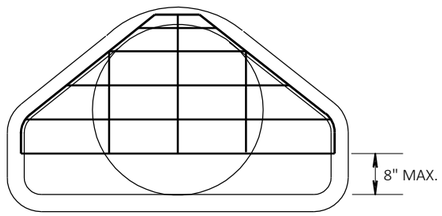




AT EACH PIPE

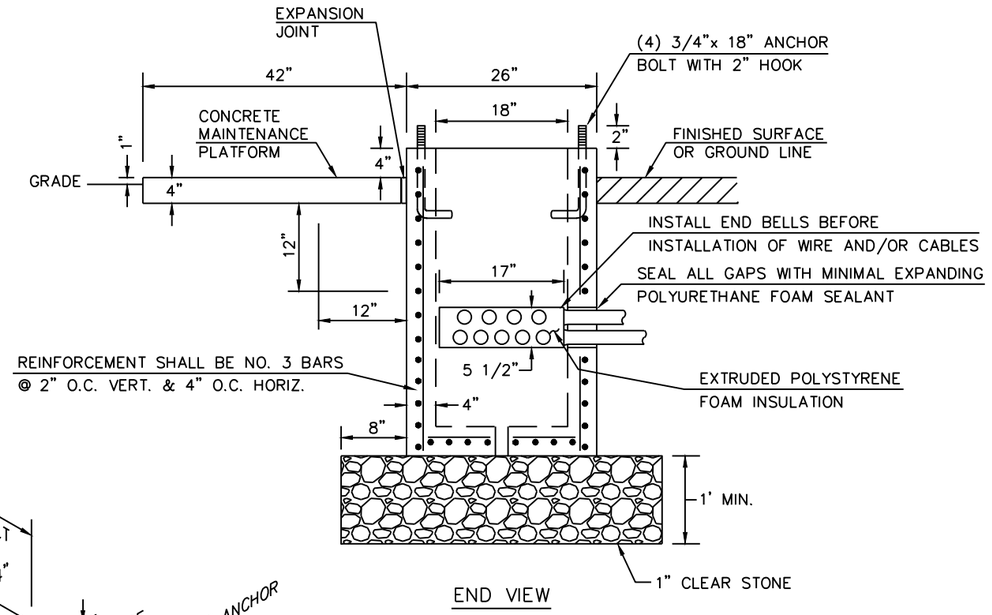




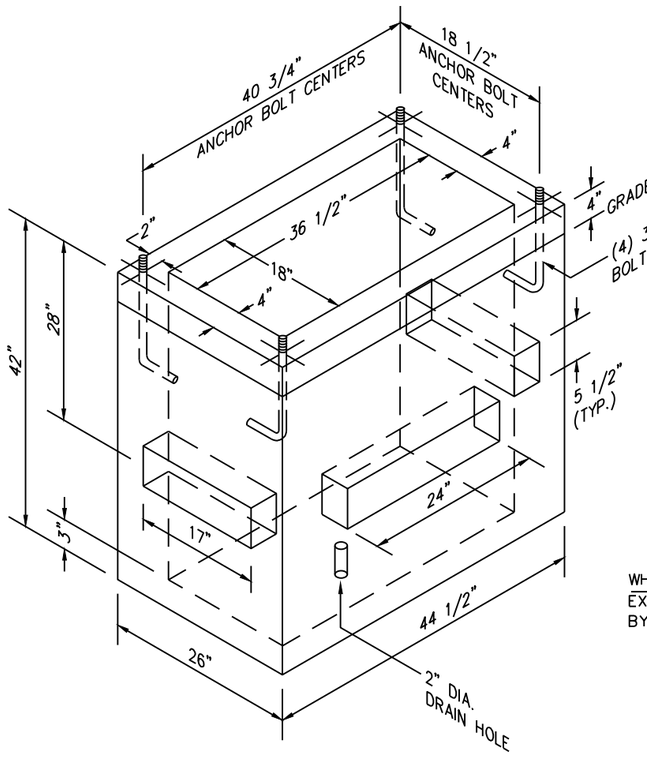


PIPE GRATE DETAIL

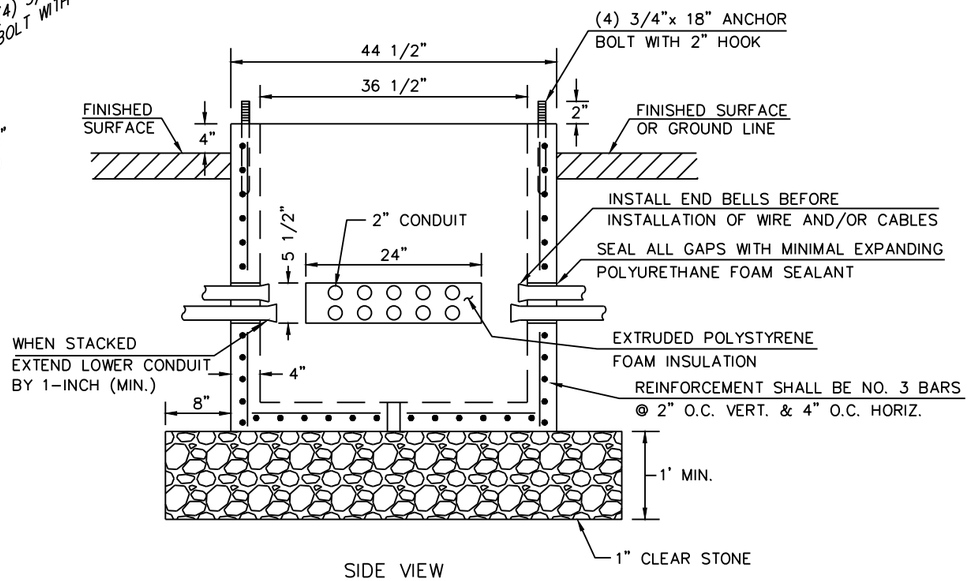
(SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS)



END VIEW



ISOMETRIC VIEW



SIDE VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

CONDUITS SHALL EXTEND BEYOND FACE OF CONCRETE WALL 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

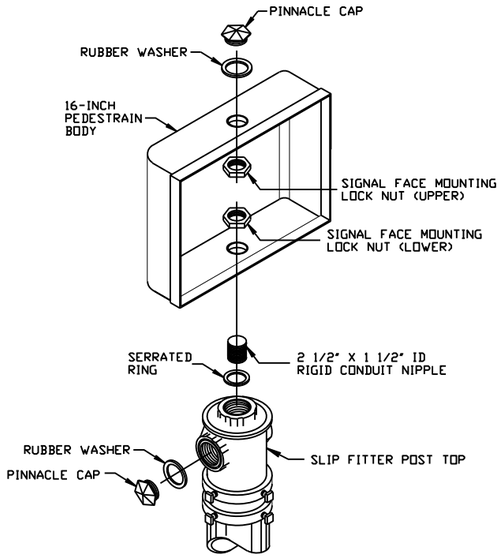
PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE CONCRETE BASE WALLS SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

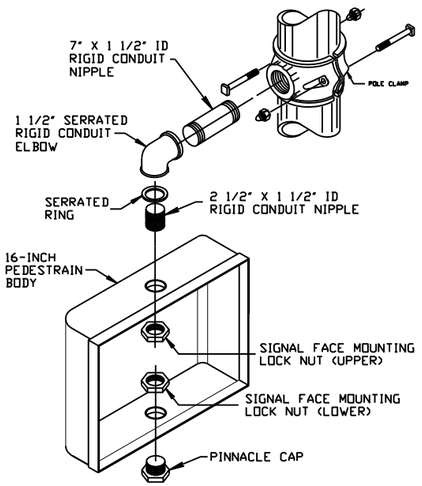
A TWO-INCH DIAMETER DRAIN HOLE IS REQUIRED AT THE BOTTOM OF THE BASE.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE WALL OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

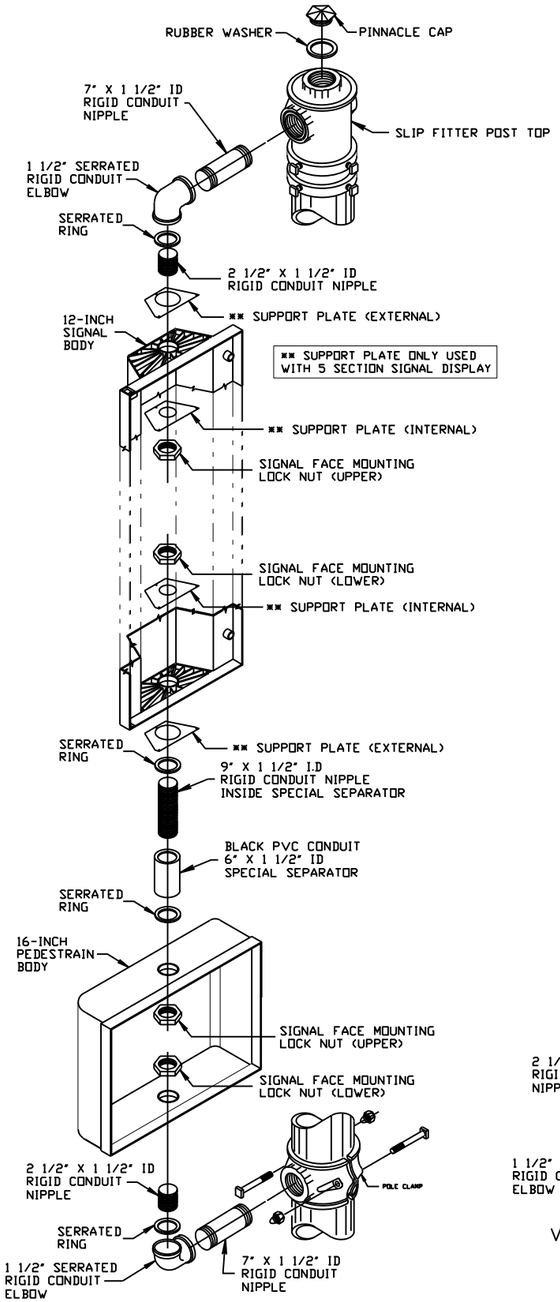
CONCRETE CONTROL CABINET BASEMENT PRECAST



PEDESTRIAN DISPLAY MOUNTING DETAIL (POST TOP)



PEDESTRIAN DISPLAY MOUNTING DETAIL (POLE CLAMP)



VEHICLE DISPLAY WITH INLINE PEDESTRIAN DISPLAY MOUNTING DETAIL

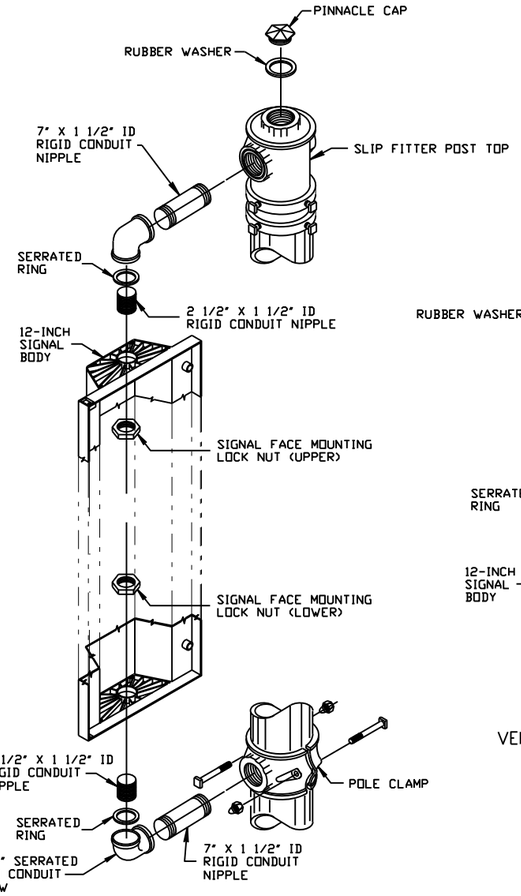
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

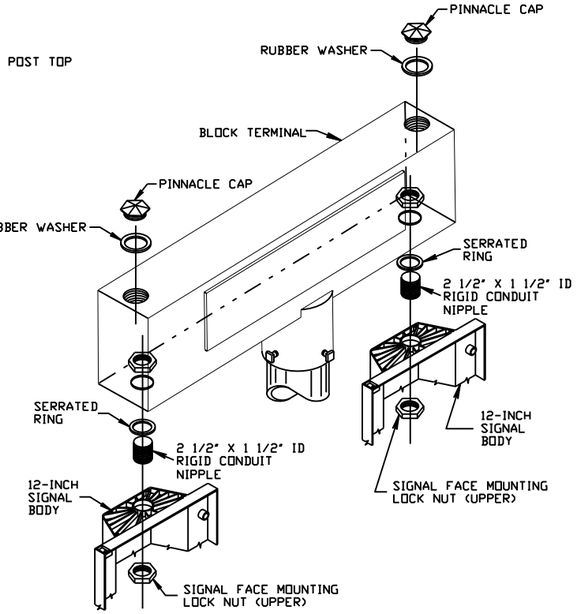
ORNAMENTAL MOUNTING HARDWARE WILL BE FURNISHED BY OTHERS AND PROVIDED TO THE CONTRACTOR.

SEE SEPARATE DETAIL FOR COMPLETE TYPE 1 SIGNAL ASSEMBLIES.

THE SIZE, NUMBER AND ORIENTATION OF TRAFFIC SIGNAL DISPLAYS SHALL BE AS SHOWN ON THE PLANS.



VEHICLE DISPLAY MOUNTING DETAIL (SLIP FITTER)



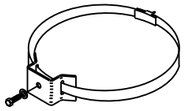
VEHICLE DISPLAY MOUNTING DETAIL (TERMINAL BLOCK)

TRAFFIC SIGNAL ASSEMBLIES ORNAMENTAL HARDWARE DETAIL 7.5-FT, 13-FT AND 15-FT POLES

CITY OF APPLETON
TRAFFIC SECTION

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 17	E

2



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

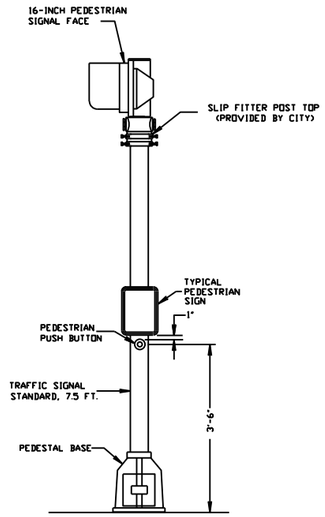
ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

ORNAMENTAL MOUNTING HARDWARE WILL BE FURNISHED BY OTHERS AND PROVIDED TO THE CONTRACTOR.

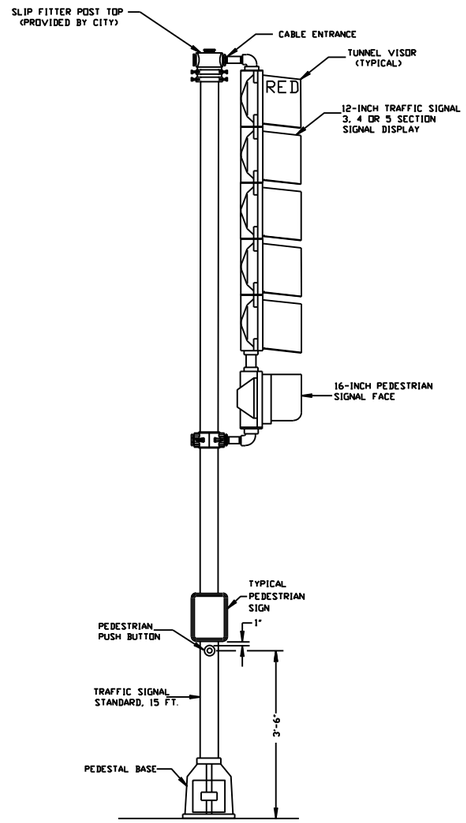
SEE SEPARATE DETAIL FOR MOUNTING HARDWARE AND ASSEMBLY.

LENGTH, LOCATION AND ORIENTATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

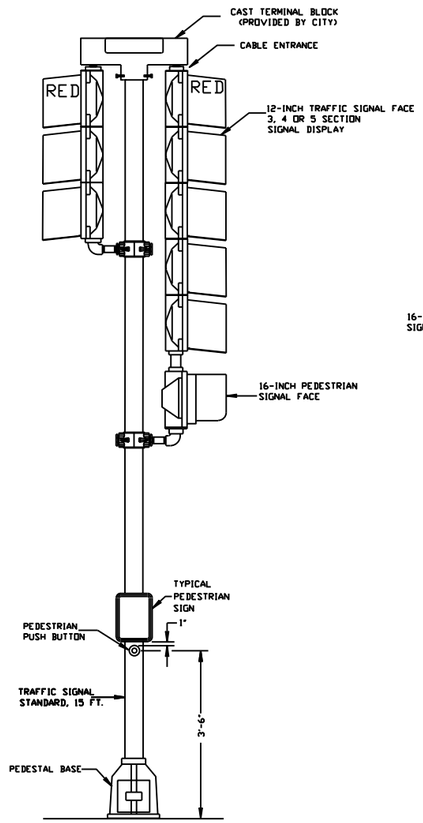
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.



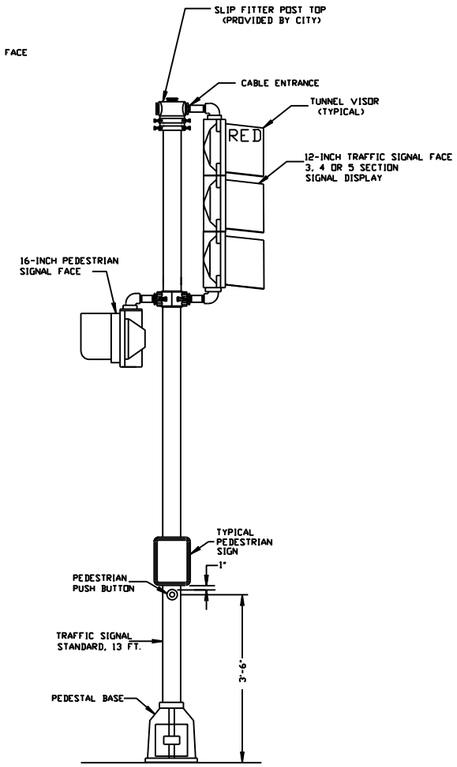
TRAFFIC SIGNAL STANDARD-7.5 FT.



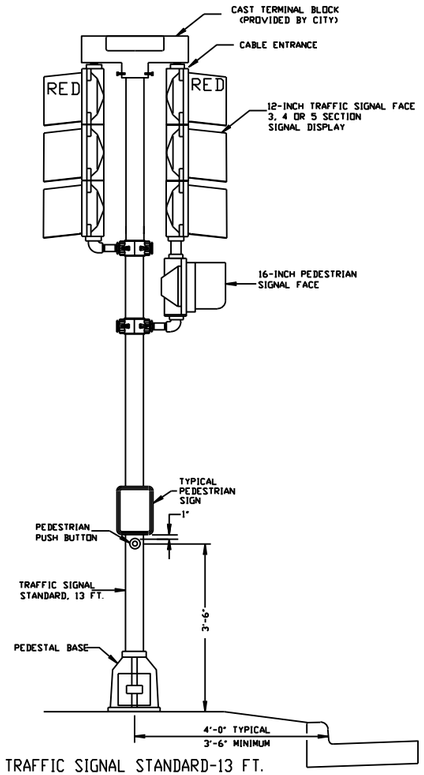
TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

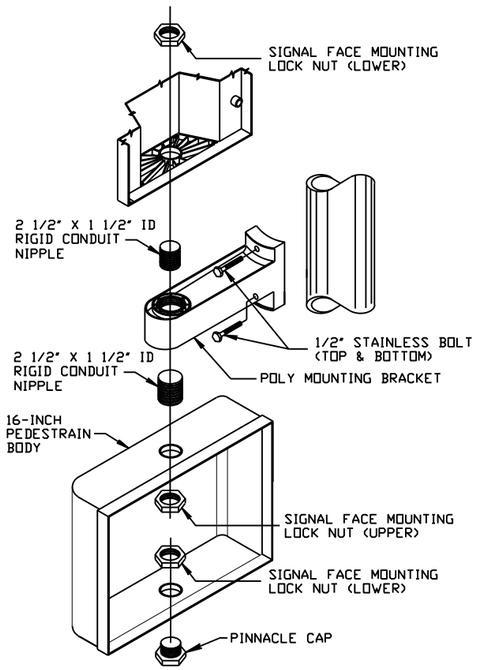


TRAFFIC SIGNAL STANDARD-13 FT.

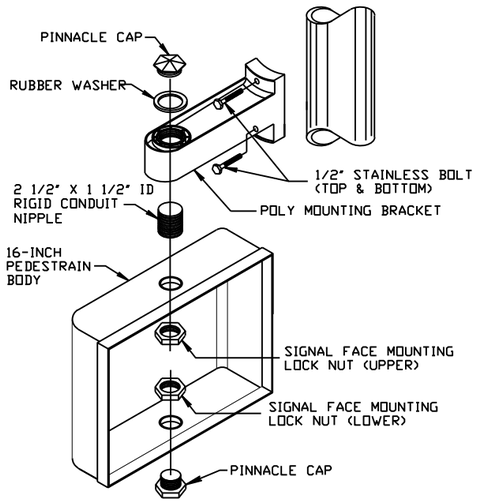
TRAFFIC SIGNAL STANDARD
ORNAMENTAL MOUNTINGS
7.5-FT, 13-FT AND 15-FT POLES

CITY OF APPLETON
TRAFFIC SECTION

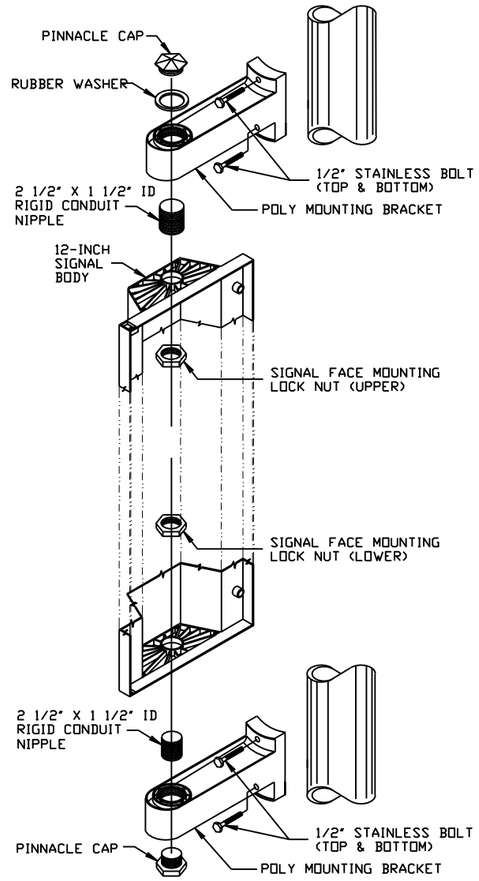
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 18	E



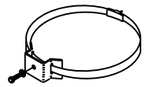
VEHICLE DISPLAY WITH INLINE PEDESTRIAN DISPLAY MOUNTING



PEDESTRIAN SIGNAL DISPLAY MOUNTING



VEHICLE SIGNAL DISPLAY MOUNTING



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE SIGNAL MOUNTINGS SHOWN HER SUPERSEDE THOSE IN THE STANDARD DETAIL DRAWINGS.

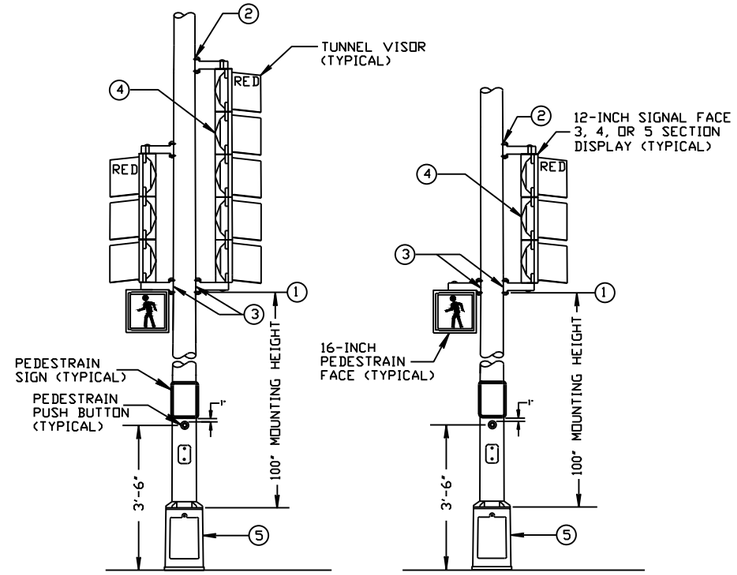
SIGNAL FACE SIZES TO BE 12-INCH.

PEDESTRIAN FACE SIZES TO BE 16-INCH.

MOUNTING HARDWARE SHALL BE FURNISHED BY THE CONTRACTOR.

THE SIZE, NUMBER AND ORIENTATION OF TRAFFIC SIGNAL DISPLAYS SHALL BE AS SHOWN ON THE PLANS.

1. MOUNTING HEIGHT FOR BOTTOM POLY BRACKET OF THE VEHICLE SIGNAL DISPLAY, DIMENSIONED FROM BOTTOM OF POLE SHOE PLATE TO BOTTOM BOLT OF POLY ARM. ADJUST HEIGHT IF NO TRANSFORMER BASE OR DIFFERENT SIZE.
2. SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH 1/2" STAINLESS BOLTS (ALL BRACKETS). DO NOT USE BANDING.
3. RUBBER GROMMET, TYPE 2 (1/4") OR TYPE 3 (3/8"), BASED ON POLE THICKNESS. SHALL BE PROVIDED FOR 1 3/8 " HOLE IN POLE SHAFT FOR WIRING.
4. THE NUMBER AND SIZE OF VEHICLE DISPLAYS MAY VARY. SEE SIGNAL PLAN SHEETS FOR ACTUAL PLACEMENT AND ORIENTATION. SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.
5. CAST ALUMINUM TRANSFORMER BASE, 17-INCH.



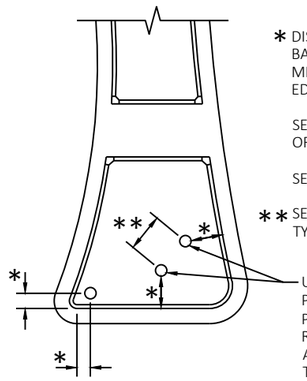
TYPICAL MOUNTING OF VEHICLE AND PEDESTRIAN SIGNAL DISPLAYS
(ACTUAL DISPLAYS MAY VARY IN SIZE AND ORIENTATION)

SIGNAL MOUNTING CONFIGURATIONS ON TYPE 2, 3 AND 4 POLES

TRAFFIC SIGNAL STANDARDS
SIGNAL DISPLAYS ON
TYPE 2, 3 AND 4 POLES

CITY OF APPLETON
TRAFFIC SECTION

2



* DISTANCE TO LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

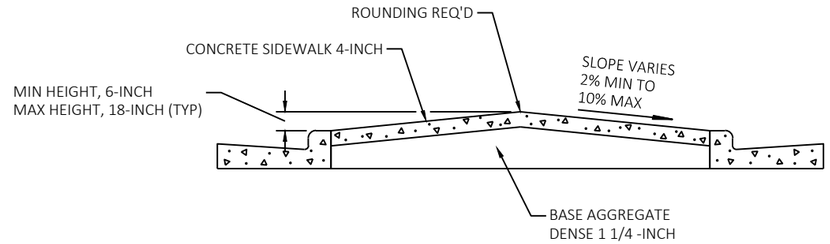
SEE A4-3 SIGN PLATE FOR "TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POST"

SEE A4-3B SIGN PLATE "SIGN POST BOX-OUTS"

** SEE A4-4 SIGN PLATE "TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE SUPPORTS"

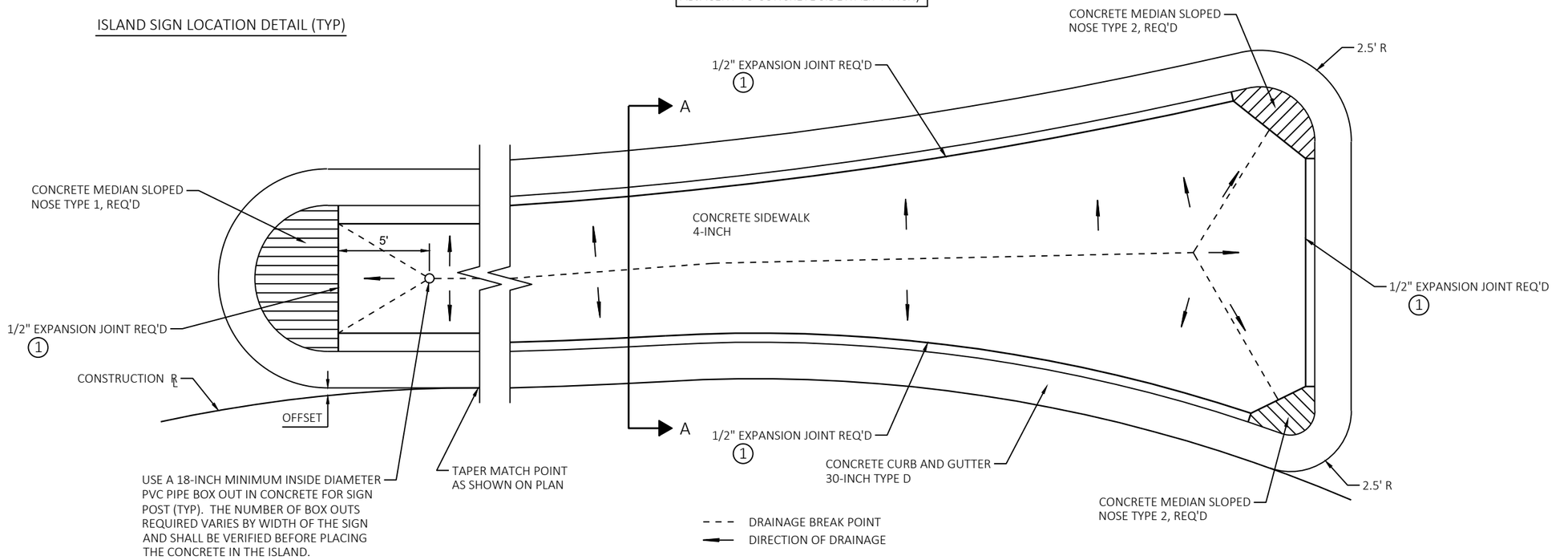
USE A 18-INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

ISLAND SIGN LOCATION DETAIL (TYP)



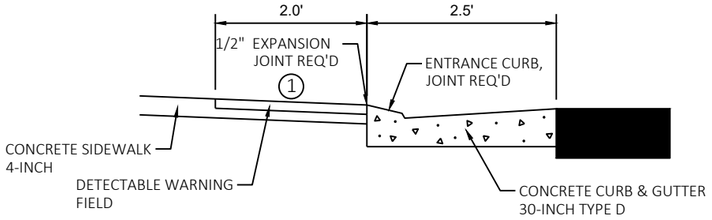
SECTION A-A

① EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (i.e. 5" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 4-INCH)

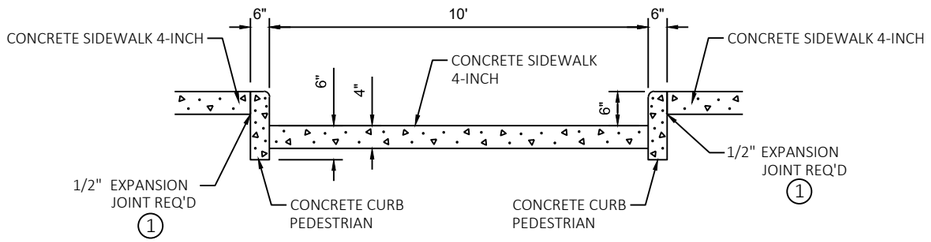


CONCRETE SPLITTER ISLAND DETAIL WITHOUT CROSSWALK

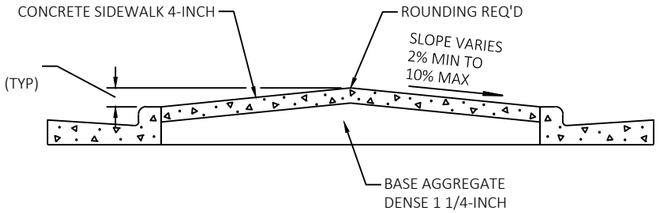
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	CONSTRUCTION DETAILS	SHEET 20	E



SECTION A-A

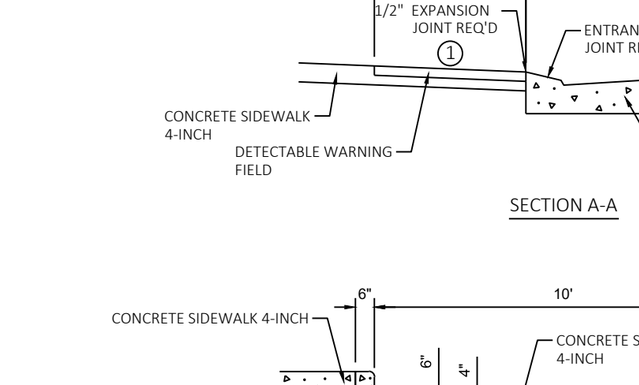


SECTION B-B

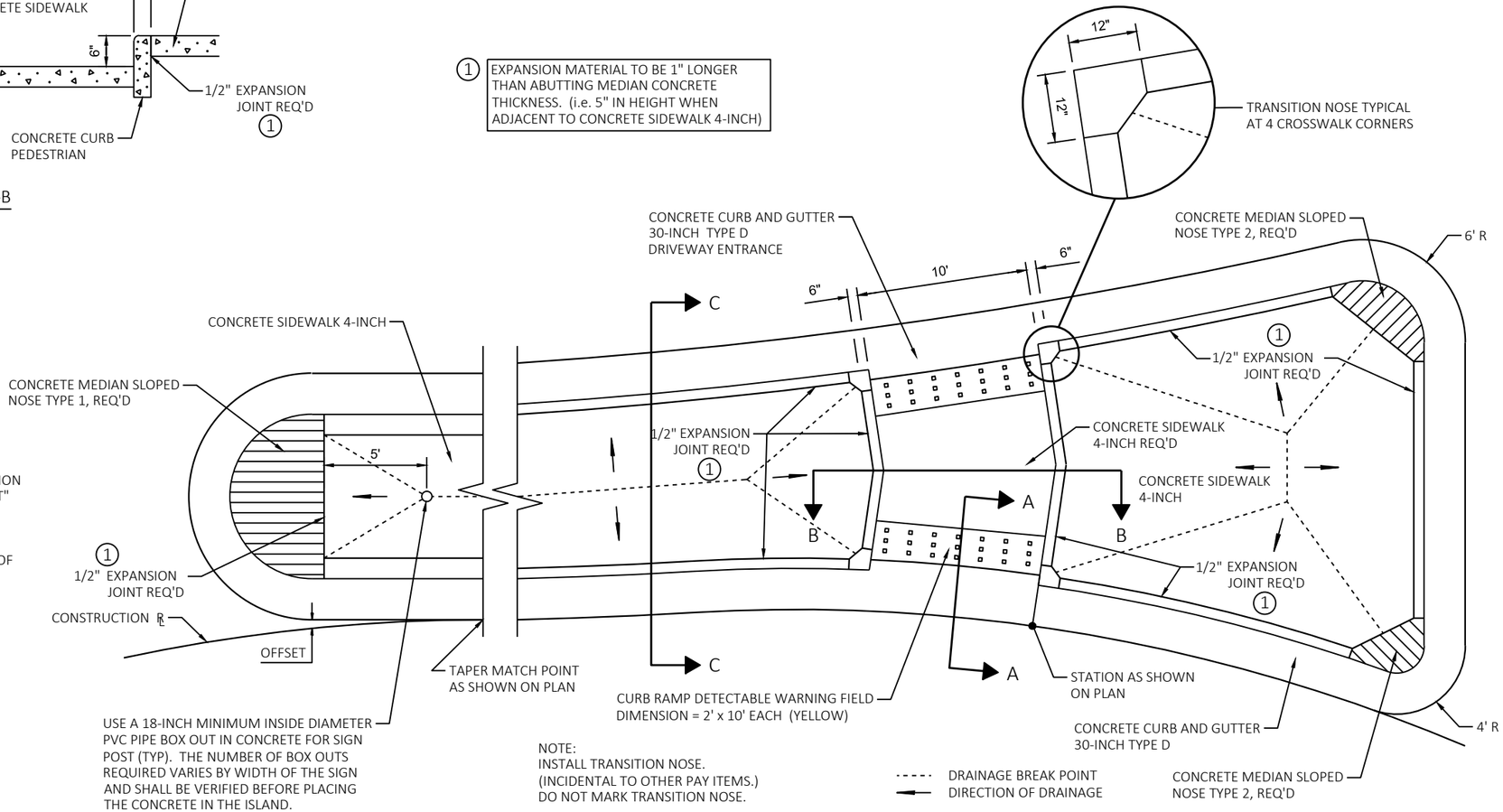


SECTION C-C

1 EXPANSION MATERIAL TO BE 1" LONGER THAN ABUTTING MEDIAN CONCRETE THICKNESS. (i.e. 5" IN HEIGHT WHEN ADJACENT TO CONCRETE SIDEWALK 4-INCH)



ISLAND SIGN LOCATION DETAIL (TYP)



CONCRETE SPLITTER ISLAND DETAIL WITH CROSSWALK

2

LEGEND

XXXXXXX SAW CUT

LIMITS OF WETLANDS

TRUMAN ST.

SIGN

EXISTING R/W

4"PCP

FO MARKER

18"RCP (TO REMAIN)

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

BURIED ELECTRIC (APPROXIMATE LOCATION)

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

EXISTING R/W

24"RCP (TO REMAIN)

CP #100
STA. 131+99.62EB, 73.19' LT
Y=560855.469
X=844523.546
3/4" IRON W/CAP

12"RCP (TO REMAIN)

24"RCP (TO REMAIN)

24"RCP (TO REMAIN)

LIMITS OF WETLANDS

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

CONCRETE MEDIAN SLOPED NOSE, TYPE 1

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

CONCRETE SIDEWALK 4-INCH REQ'D.

CTH CE

S82° 26' 45"E

129WB 130WB 131WB 132WB 133WB 134WB

129EB 130EB 131EB 132EB 133EB 134EB

(TO REMAIN)

(TO REMAIN)

(REMOVE)

(REMOVE)

36"RCP (TO REMAIN)

4' 10' 12' 2' 12' 4'

MATCH LINE STA. 135+00EB

131+29.2EB
28.0' RT
52' R.

50'

BEGIN PROJECT
STA. 130+60EB
Y = 560801.266
X = 844375.511

PLANTER

EXISTING R/W

IP

R/W LINE

STA. 131+40.2, 62.8' RT.
1-CPRC CLASS IV 24-INCH REQ'D.
2-APRON ENDWALLS REQ'D.

SLOPE INTERCEPT

ASPHALT PARKING LOT

LIMITS OF WETLANDS

POST

BM #200

SIGN

SEPV

BUILDING

132+55.1EB
186.0' RT
147' R.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
200	134+55EB	CHISELED BOX ON N. SIGN BASE-93' RT.	741.75

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 22	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_pd

PLOT DATE : 11/30/2022 1:06 PM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

XXXXXXX SAW CUT

LIMITS OF WETLANDS

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
201	11+61RR	BURY BOLT ON HYDRANT-24' LT.	748.36

N

BURIED GAS LINE (APPROXIMATE LOCATION)

CONSTRUCTION LIMITS STA. 11+52.8RR

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

BURIED ELECTRIC (APPROXIMATE LOCATION)

EXISTING R/W

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

EP: 11+71.01

ADJUST INLET COVERS

BUILDING

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

BM #201

11+71.0RR 200.0' LT 183' R.

11+52.3RR 64.3' LT 46' R.

SLOPE INTERCEPTS

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D. REVERSE SLOPED GUTTER

11+08.0RR 92.0' LT 58' R.

TRANSITION CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB AND GUTTER 30-INCH TYPE D IN 10 FEET (SEE DETAIL)

SEE CURB RAMP DETAILS

10+69.0RR 65.0' RT 38' R.

SLOPE INTERCEPTS

CP #101 STA. 139+06.92EB, 72.55' LT Y=560765.613 X=845224.367 3/4" IRON W/CAP

LIMITS OF WETLANDS

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

CONCRETE SIDEWALK 6-INCH REQ'D.

CONCRETE SIDEWALK 6-INCH REQ'D.

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

PED CURB REQ'D.

CONCRETE MEDIAN SLOPED NOSE, TYPE 1

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE CURB AND GUTTER 18-INCH TYPE D REQ'D.

MATCH LINE STA. 135+00EB

MATCH LINE STA. 141+00EB

PI: 135+34.23

STA BACK = 135+34.23

STA AHEAD = 135+34.47

12"RCP (TO REMAIN)

(REMOVE)

136WB

137WB

138WB

139WB

140WB

141

S83° 00' 58"E

PI: 10+00.18

N0° 33' 15"W

(REM.)

(REMOVE)

136EB

137EB

138EB

139EB

140EB

141

CTH CE

PI: 9+75.97

EP: 9+42.71

PCC: 9+30.30

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE CURB AND GUTTER 30-INCH TYPE D REQ'D.

STA. 138+62.02EB CTH CE EASTBOUND CONSTRUCTION R/L= STA. 9+75.80RR RAILROAD ST.

TRANSITION CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB AND GUTTER 18-INCH TYPE D IN 10 FEET (SEE DETAIL)

SLOPE INTERCEPTS

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

9+06.8RR 64.9' LT 40' R.

RAILROAD ST.

N1° 35' 34"W

(REMOVE) CMP

LIMITS OF WETLANDS

EXISTING R/W

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

TRANSITION CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB AND GUTTER 30-INCH TYPE D IN 10 FEET (SEE DETAIL)

MATCH LINE STA. 9+00RR

PI: 135+34.35

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 23	E

2

2

LEGEND

XXXXXXX SAW CUT

LIMITS OF WETLANDS

EXISTING R/W

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

(TO REMAIN) 18"RCP

BEGIN TRAIL RELOCATION STA. 10+00

BP: 10+00.00

PC: 10+33.26

S77° 54' 53"E

PLANTER

ASPHALT TRAIL

BURIED ELECTRIC (APPROXIMATE LOCATION)

LIMITS OF WETLANDS

SLOPE INTERCEPTS

3' PAVED SHOULDER

12"RCP (TO REMAIN)

(TO REMAIN) 24"PCP

CONCRETE CURB AND GUTTER 18-INCH TYPE D REQ'D.

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

(TO REMAIN) 18"RCP

142WB 143WB S83° 00' 58"E 144WB 145WB 146WB

(REMOVE)

142EB 143EB S83° 00' 58"E 144EB 145EB 146EB

MATCH LINE STA. 141+00EB

MATCH LINE STA. 147+00EB

CONCRETE SIDEWALK 4-INCH REQ'D.

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REQ'D.

TRANSITION CONCRETE CURB AND GUTTER 18-INCH TYPE D TO CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D IN 10 FEET (SEE DETAIL)

CTH CE

(TO REMAIN) 18"RCP

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

EXISTING R/W

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

EXISTING R/W

BURIED ELECTRIC (APPROXIMATE LOCATION)

PLANTER

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 24	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021203_pd

PLOT DATE : 10/31/2022 8:06 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND
XXXXXXX SAW CUT
LIMITS OF WETLANDS

N

TREES

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

SLOPE INTERCEPTS

PRC: 10+96.47

PT: 12+78.52

PC: 12+94.29

PT: 13+43.54

EP: 13+78.89

EXISTING R/W

EXISTING R/W

POST

FO

FOMH

ASPHALT TRAIL

S71° 32' 24"E

S82° 49' 34"E

END TRAIL RELOCATION
STA. 13+47

SLOPE INTERCEPTS

12"RCP (TO REMAIN)

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

148+30.9EB
52.0' LT
52' R.

CONCRETE MEDIAN
SLOPED NOSE, TYPE 1

ADJUST INLET COVERS

MATCH LINE STA. 147+00EB

148WB 149WB S83° 00' 58"E 150WB 151WB 152WB 152WB

(TO REMAIN)

(TO REMAIN)

148EB 149EB S83° 00' 58"E 150EB 151EB 152EB

CTH CE

EP: 152+74.90

CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE D
REQ'D.

CONCRETE MEDIAN
SLOPED NOSE, TYPE 1

CONCRETE SIDEWALK
4-INCH REQ'D.

END PROJECT
STA. 149+00EB

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

EP: 152+74.90

EXISTING R/W

PLANTER

FOMH

EXISTING R/W

POST

FOMH

BURIED ELECTRIC
(APPROXIMATE LOCATION)

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

ASPHALT PARKING LOT

LEGEND
LIMITS OF HMA PAVEMENT
LIMITS OF CONCRETE PAVEMENT
XXXXXXX SAW CUT
LIMITS OF WETLANDS

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 25	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021204_pd

PLOT DATE : 11/1/2022 10:17 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

XXXXXXX SAW CUT

LIMITS OF WETLANDS

N

EXISTING R/W

VAN ROY RD.

BUILDING

CABC

POST

CONCRETE SIDEWALK
4-INCH REQ'D.

CP #102
STA. 7+64.47RR, 48.05' LT
Y=560487.383
X=845127.689
3/4" IRON W/CAP

ASPHALT PARKING LOT

BURIED FIBER OPTIC CABLE
(APPROXIMATE LOCATION)

CONCRETE SURFACE
DRAIN REQ'D.

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

REMOVE
COMMERCIAL
ENTRANCE

SLOPE
INTERCEPTS

PI: 7+67.52

BURIED GAS LINE
(APPROXIMATE LOCATION)

BURIED ELECTRIC
(APPROXIMATE LOCATION)

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

24"CMP

30"CMP

BP: 4+31.92

5RR

6RR

7RR

8RR

RAILROAD ST.

MATCH LINE STA. 9+00RR

CONSTRUCTION LIMITS
STA. 7+67.5RR

CONCRETE MEDIAN
SLOPED NOSE, TYPE 1

BM #202

10'

TLE LINE

BP: 7+86.22

SLOPE
INTERCEPTS

R/W LINE

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

TRANSITION CONCRETE CURB
AND GUTTER 30-INCH TYPE D
REVERSE SLOPE TO CONCRETE
CURB AND GUTTER 30-INCH
TYPE D IN 10 FEET

CONCRETE CURB AND GUTTER
30-INCH TYPE D REQ'D.

TRANSITION CONCRETE CURB
AND GUTTER 30-INCH TYPE D TO
CONCRETE CURB AND GUTTER
6-INCH SLOPED 36-INCH TYPE D
IN 10 FEET
(SEE DETAIL)

LIMITS OF
WETLANDS

8+39.6RR
133.7' RT
98' R.

BETTER WAY

BURIED ELECTRIC
(APPROXIMATE LOCATION)

BURIED GAS LINE
(APPROXIMATE LOCATION)

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
202	7+10RR	BURY BOLT ON HYDRANT-34' RT	740.75

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN DETAILS	SHEET 26	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021205_pd

PLOT DATE : 10/31/2022 8:06 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

N

TRUMAN ST.

129WB CTH CE 130WB 131WB 132WB 133WB 134WB 135

744.88 744.92 744.99 745.18 745.35 745.43 745.51 745.61 745.73 745.86 745.98 746.07 746.17 746.26 746.35 746.44 746.54 746.63 746.73

744.80 744.84 744.90 744.93 745.08 745.23 745.31 745.39 745.49 745.61 745.74 745.86 745.95 746.05 746.14 746.23 746.26 746.38 746.51 746.65

129EB 130EB 131EB 132EB 133EB 134EB 135

744.99 745.06 745.12 745.21 745.43 745.50 745.57 745.65 745.75 745.84 745.94 746.04 746.14 746.24 746.34 746.42 746.49 746.57 746.64

745.14 745.27 745.40 745.43 745.52 745.58 745.65 745.73 745.83 745.92 746.02 746.12 746.22 746.32 746.40 746.42 746.51 746.61 746.71 746.81

MATCH LINE STA. 135+00EB

742.92 742.96 743.07 743.18 743.27 743.37 743.47 743.50 743.58 743.69 743.71

742.86 743.21 743.43 743.62

743.13

742.78 742.70

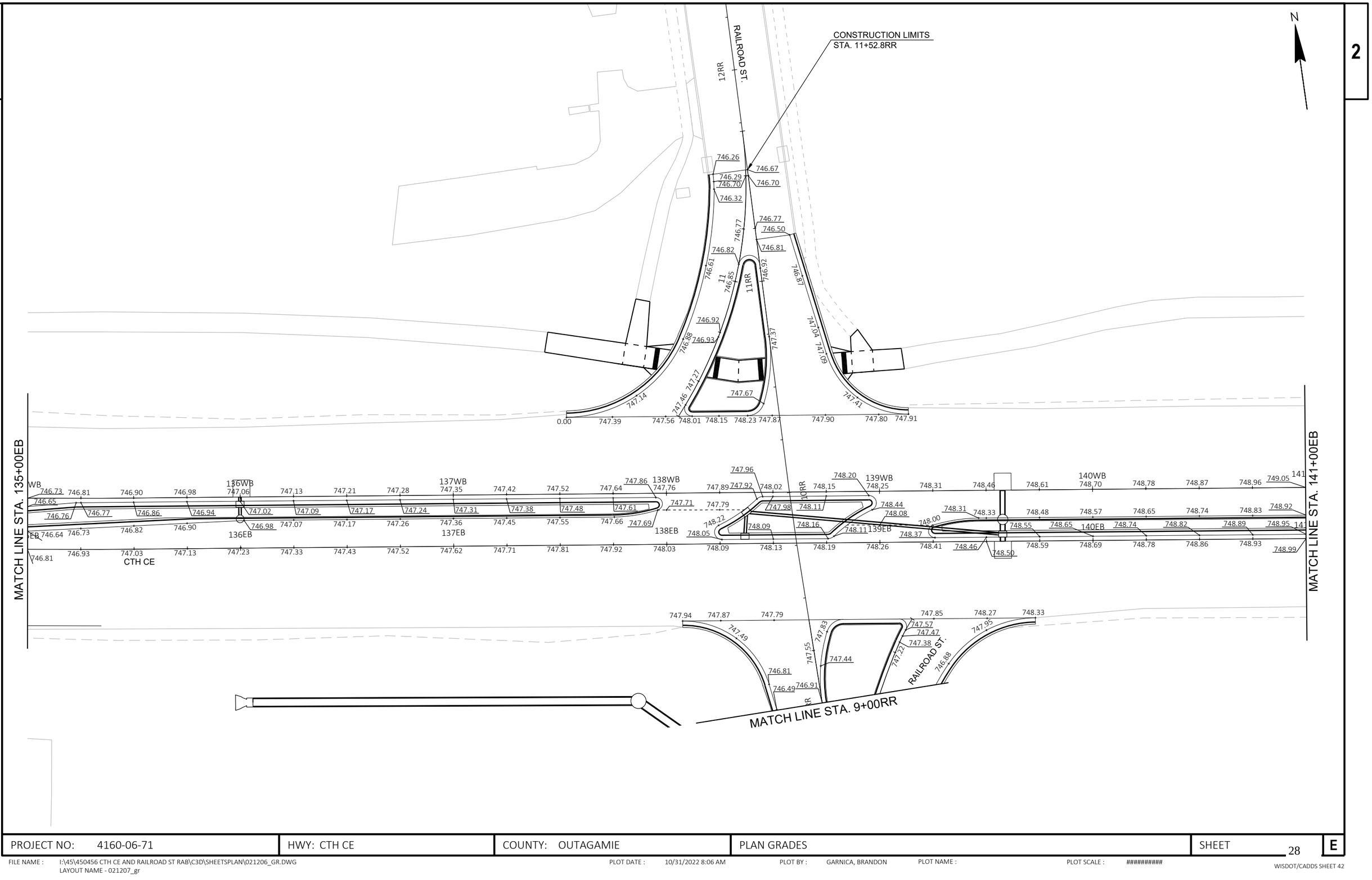
742.20 742.28

742.11 742.08 742.20

742.00

BEGIN PROJECT
STA. 130+60EB
Y = 560801.266
X = 844375.511

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN GRADES	SHEET 27	E



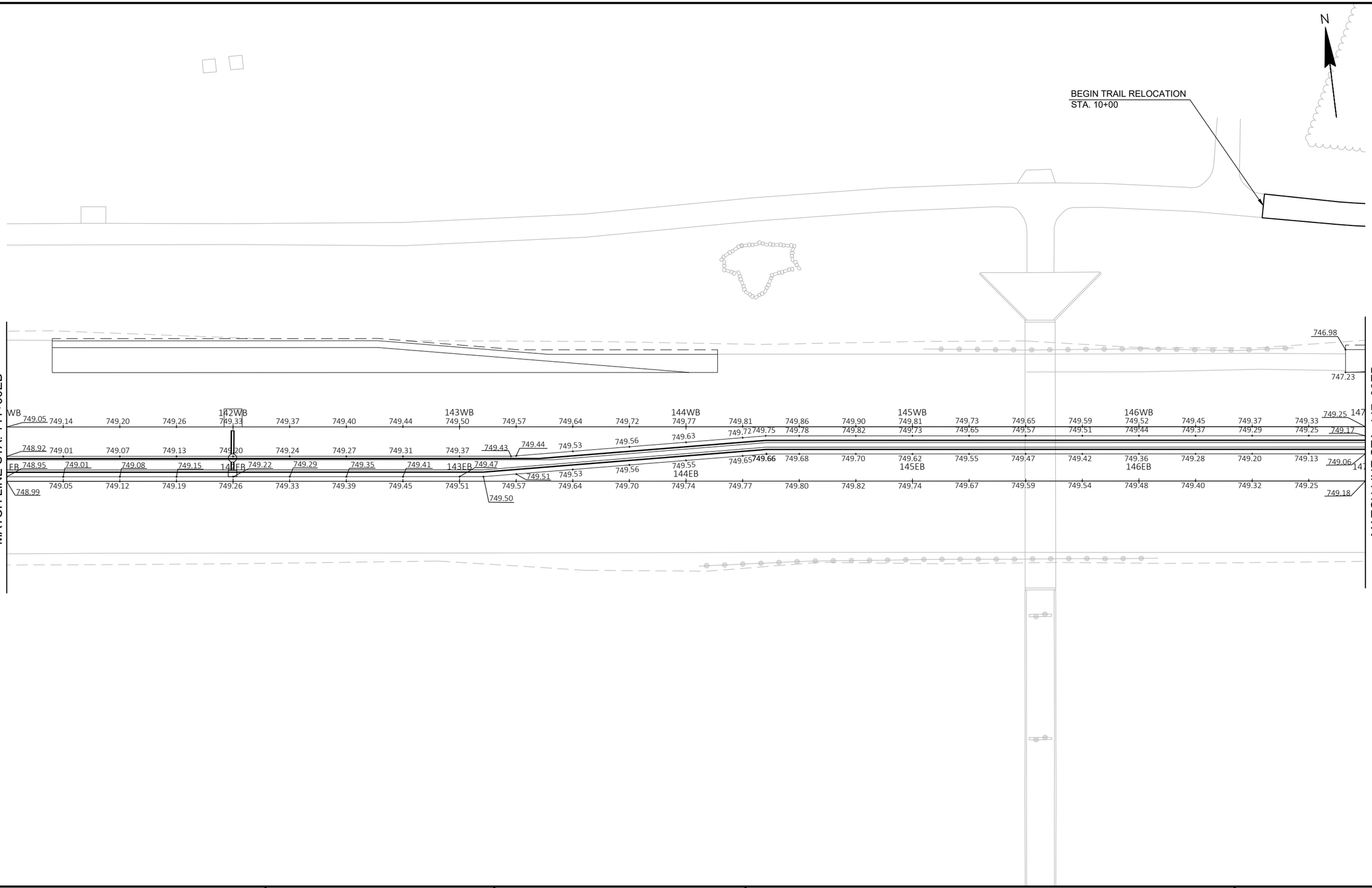
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN GRADES	SHEET 28	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021206_GR.DWG
LAYOUT NAME - 021207_gr

PLOT DATE : 10/31/2022 8:06 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2



PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN GRADES	SHEET 29	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021206_GR.DWG
LAYOUT NAME - 021208_gr

PLOT DATE : 10/31/2022 8:07 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

2

N

END TRAIL RELOCATION
STA. 13+47

745.43 745.44 745.74 745.51 745.52 745.83 745.83 745.97 746.29 746.65 746.39 746.86 746.79 747.05 746.48 746.73 747.14 747.09 747.03 746.98 746.90 746.83 746.75 746.68

MATCH LINE STA. 147+00EB

WB 749.25 749.16 749.11 749.05 148WB 748.99 748.91 748.83 748.75 149WB 748.67 150WB 151WB 152WB
749.17 749.08 749.03 748.97 748.91 748.88 748.69 748.67 748.59
749.06 749.00 748.95 748.89 748.84 748.80 748.82 748.75 748.92
EB 148EB 149EB 150EB 151EB 152EB
748.68 748.65 748.57
749.18 749.12 749.07 749.01 748.96 748.88 748.73 748.65

CTH CE

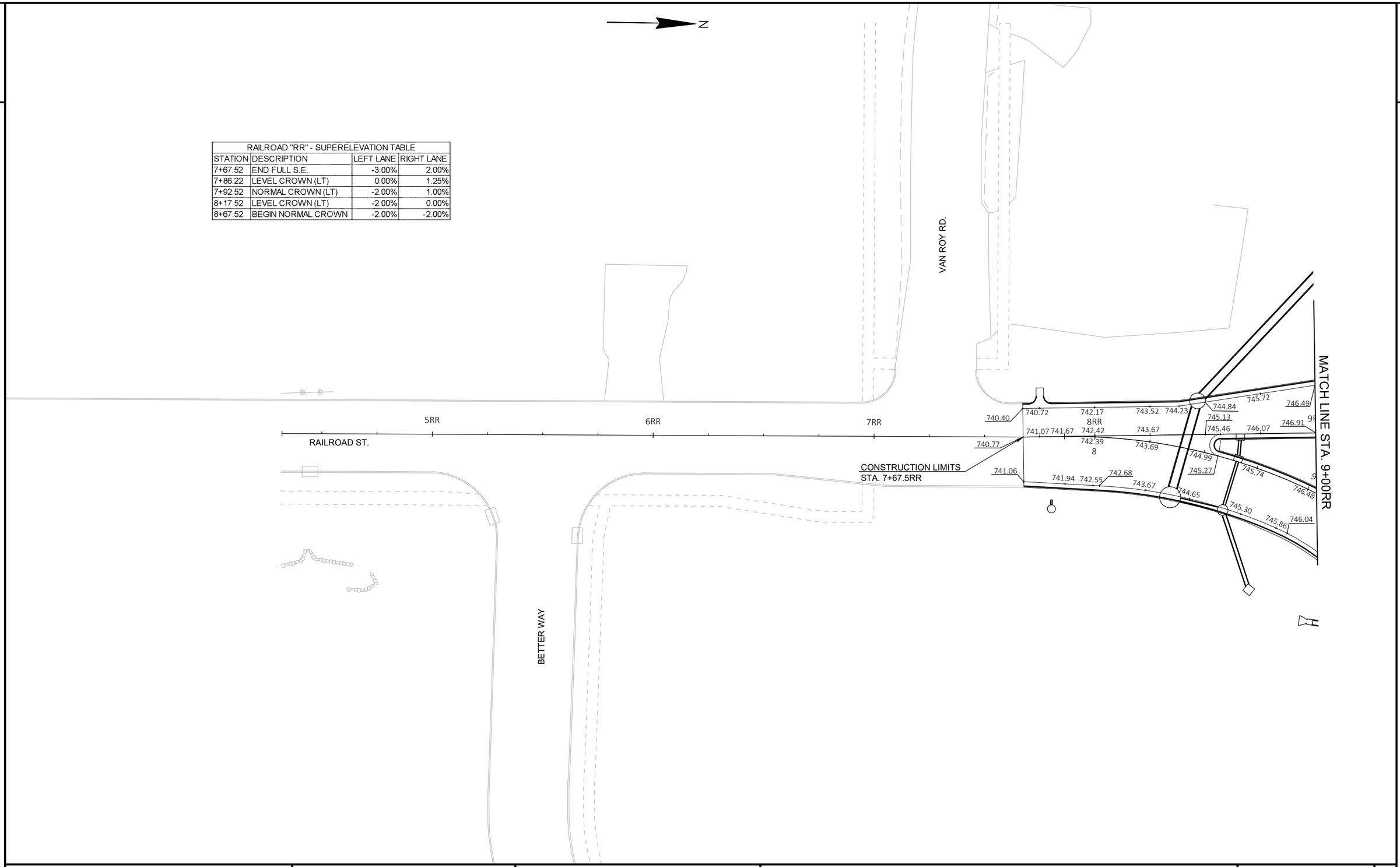
END PROJECT
STA. 149+00EB

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN GRADES	SHEET 30	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021206_GR.DWG
LAYOUT NAME - 021209_gr
PLOT DATE : 10/31/2022 8:07 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

2

RAILROAD "RR" - SUPERELEVATION TABLE			
STATION	DESCRIPTION	LEFT LANE	RIGHT LANE
7+67.52	END FULL S.E.	-3.00%	2.00%
7+86.22	LEVEL CROWN (LT)	0.00%	1.25%
7+92.52	NORMAL CROWN (LT)	-2.00%	1.00%
8+17.52	LEVEL CROWN (LT)	-2.00%	0.00%
8+67.52	BEGIN NORMAL CROWN	-2.00%	-2.00%



PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN GRADES	SHEET 31	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\021206_GR.DWG
LAYOUT NAME - 021210_gr
PLOT DATE : 10/31/2022 8:07 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

EXISTING R/W

TRUMAN ST.

MH

MH

MH

129WB 130WB 131WB 132WB 133WB 134WB 135

CTH CE

129EB 130EB 131EB 132EB 133EB 134EB 135

MATCH LINE STA. 135+00EB

EXISTING R/W

EXISTING R/W

R/W LINE

P.L.

P.L.

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT URBAN CLASS I, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- SURFACE WATER FLOW
- INLET PROTECTION
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- RIPRAP LIGHT

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 39	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022001_ec

PLOT DATE : 10/31/2022 8:08 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

EXISTING R/W

EXISTING R/W

P.L.

12

11RR

RAILROAD ST.

MATCH LINE STA. 135+00EB

MATCH LINE STA. 141+00EB

WB 136WB 137WB 138WB 10RR 139WB 140WB 141

EB 136EB 137EB 138EB 139EB 140EB 141

CTH CE

RAILROAD ST.

MATCH LINE STA. 9+00RR

EXISTING R/W

P.L.

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT URBAN CLASS I, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- SURFACE WATER FLOW
- INLET PROTECTION
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- RIPRAP LIGHT

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 40	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022002_ec
PLOT DATE : 10/31/2022 8:08 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

P.L.

EXISTING R/W

EXISTING R/W

N

MATCH LINE STA. 141+00EB

MATCH LINE STA. 147+00EB

WB 142WB 143WB 144WB 145WB 146WB 147

CTH CE

EB 142EB 143EB 144EB 145EB 146EB 147

MH

MH

EXISTING R/W

EXISTING R/W

LEGEND

- EROSION MAT URBAN CLASS I, TYPE A
- EROSION MAT URBAN CLASS I, TYPE B
- SLOPE INTERCEPT
- SILT FENCE
- SURFACE WATER FLOW
- INLET PROTECTION
- CULVERT PIPE CHECK
- TEMPORARY DITCH CHECK
- RIPRAP LIGHT

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 41	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022003_ec

PLOT DATE : 10/31/2022 8:08 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

2

2

N

EXISTING R/W

EXISTING R/W

P.L.

MATCH LINE STA. 147+00EB

WB 148WB 149WB 150WB 151WB 152WB

CTH CE

EB 148EB 150EB 151EB 152EB

EXISTING R/W

EXISTING R/W

LEGEND

EROSION MAT URBAN CLASS I, TYPE A

EROSION MAT URBAN CLASS I, TYPE B

SLOPE INTERCEPT

SILT FENCE

SURFACE WATER FLOW

INLET PROTECTION

CULVERT PIPE CHECK

TEMPORARY DITCH CHECK

RIPRAP LIGHT

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 42	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022004_ec

PLOT DATE : 11/1/2022 10:20 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

2

N

N

2

VAN ROY RD.

EXISTING R/W

EXISTING R/W

EXISTING R/W

5RR

6RR

RAILROAD ST.

7RR

8RR

MATCH LINE STA. 9+00RR

EXISTING R/W

EXISTING R/W

EXISTING R/W

TLE LINE

R/W LINE

EXISTING R/W

BETTER WAY

LEGEND

EROSION MAT URBAN CLASS I, TYPE A

EROSION MAT URBAN CLASS I, TYPE B

SLOPE INTERCEPT

SILT FENCE

SURFACE WATER FLOW

INLET PROTECTION

CULVERT PIPE CHECK

TEMPORARY DITCH CHECK

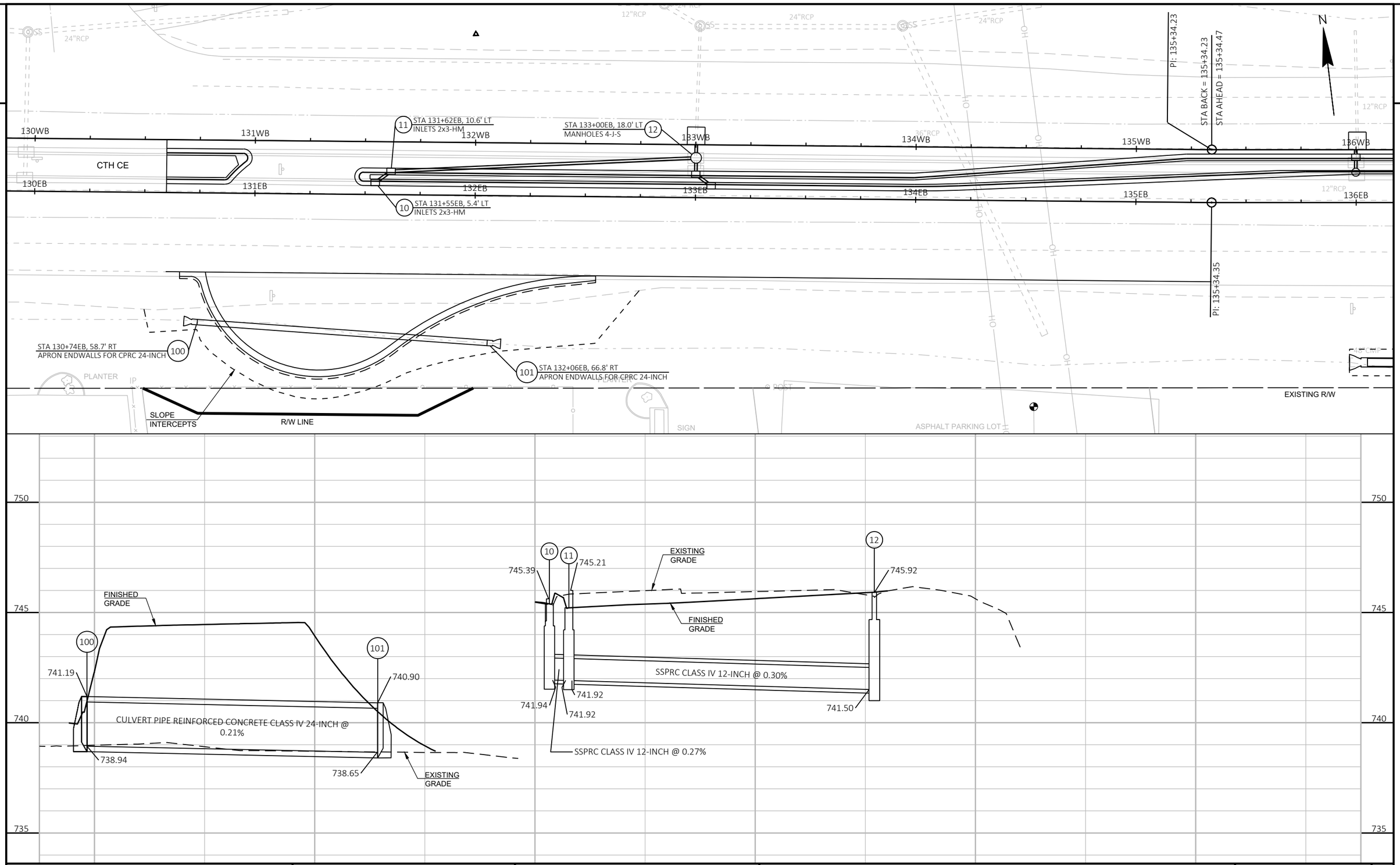
RIPRAP LIGHT

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	EROSION CONTROL	SHEET 43	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022001_EC.DWG
LAYOUT NAME - 022005_ec

PLOT DATE : 10/31/2022 8:08 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : ##########

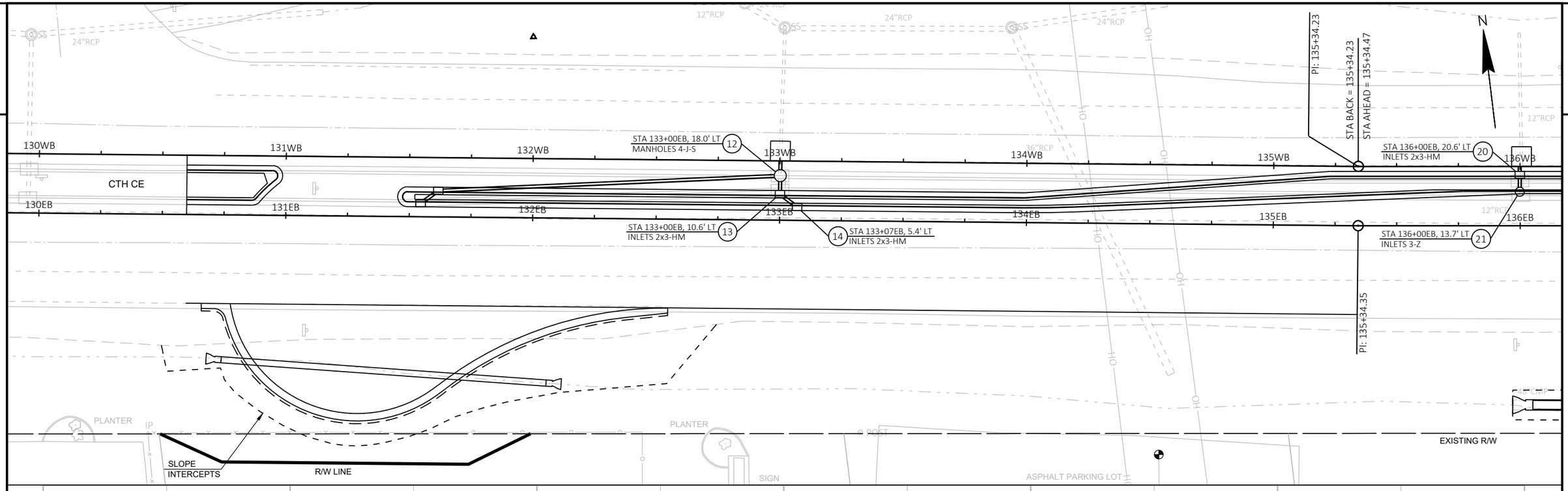
2

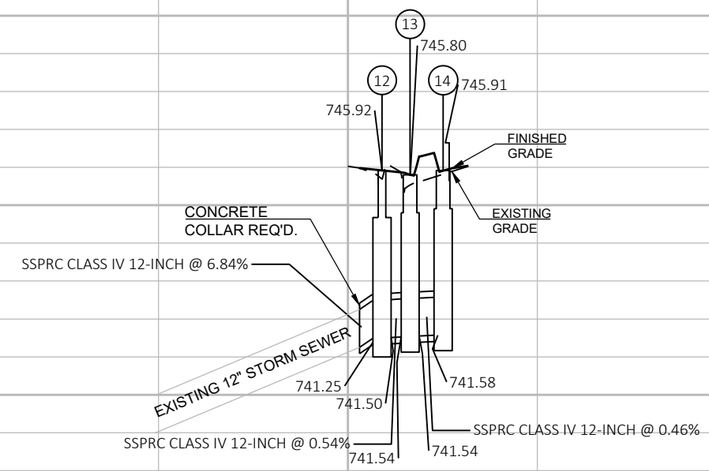


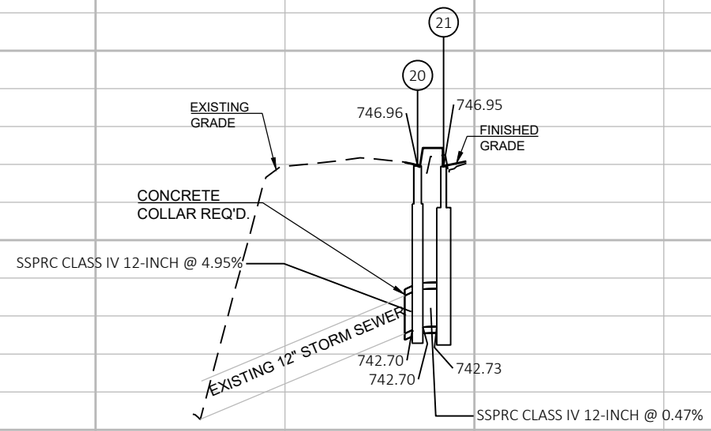
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 44	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022501_SS.DWG
LAYOUT NAME - 022501_ss
PLOT DATE : 10/31/2022 2:44 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2







750
745
740
735

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 45	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022502_SS.DWG
LAYOUT NAME - 022502_ss
PLOT DATE : 10/31/2022 8:08 AM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

2

N

RAILROAD ST.

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

SLOPE
INTERCEPTS

12"RCP

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

STA 138+37EB, 14.7' LT
INLETS 2x3-HM
31

136WB 137WB 138WB 139WB 140WB 141WB 142WB

12"SS

CTH CE

136EB 137EB 138EB 139EB 140EB 141EB 142EB

STA 138+37EB, 3.4' LT
INLETS 2x3-HM
30

4"PCP

32
STA 139+58EB, 3.4' LT
INLETS 2x3-HM

BURIED FIBER OPTIC CABLE
(APPROXIMATE LOCATION)

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

SLOPE
INTERCEPTS

RAILROAD ST.

SLOPE
INTERCEPTS

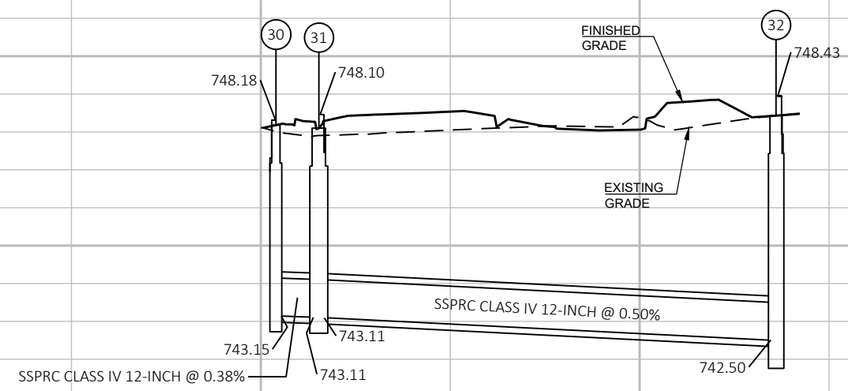
BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

BURIED FIBER OPTIC CABLE
(APPROXIMATE LOCATION)

12"CMP

EXISTING R/W

EXISTING R/W



750
745
740

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 46	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022503_SS.DWG
LAYOUT NAME - 022503_ss

PLOT DATE : 10/31/2022 8:09 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

RAILROAD ST.

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

SLOPE
INTERCEPTS

12"RCP

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

136WB 137WB 138WB 139WB 140WB 141WB 142WB

CTH CE

136EB 137EB 138EB 139EB 140EB 141EB 142EB

33 STA 139+58EB, 10.2' LT
INLETS 4-Z

50 STA 142+00EB, 10.3' LT
INLETS 3-Z

32 STA 139+58EB, 3.4' LT
INLETS 2x3-HM

51 STA 142+00EB, 3.4' LT
INLETS 2x3-HM

BURIED FIBER OPTIC CABLE
(APPROXIMATE LOCATION)

SLOPE
INTERCEPTS

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

RAILROAD ST.

SLOPE
INTERCEPTS

BURIED FIBER OPTIC CABLE
(APPROXIMATE LOCATION)

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

32A STA 139+58EB, 65.1' RT
APRON ENDWALLS FOR CPRC 24-INCH

EXISTING R/W

EXISTING R/W

755

750

745

740

32

33

FINISHED
GRADE

748.35

748.43

EXISTING
GRADE

CONCRETE
COLLARD REQ'D.

CONCRETE
COLLAR REQ'D.

32A

743.47

EXISTING 24" STORM SEWER

EXISTING 24" STORM SEWER

742.45

SSPRC CLASS III 24-INCH @ 1.35%

742.27

742.27

742.12

741.28

741.22

SSPRC CLASS III 24-INCH @ 1.32%

742.18

742.18

SSPRC CLASS III 24-INCH @ 1.38%

SSPRC CLASS III 24-INCH @ 1.70%

51

50

749.17

749.17

FINISHED
GRADE

CONCRETE
COLLAR REQ'D.

EXISTING
GRADE

EXISTING 12" STORM SEWER

745.11

SSPRC CLASS IV 12-INCH @ 0.48%

744.66

745.08

745.08

SSPRC CLASS IV 12-INCH @ 3.46%

PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 47	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022504_SS.DWG
LAYOUT NAME - 022504_ss

PLOT DATE : 10/31/2022 8:09 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

SLOPE INTERCEPTS

ASPHALT TRAIL

N

12"RCP

CAUTION

BURIED GAS LINE
(APPROXIMATE LOCATION)

145WB 146WB 147WB 148WB 149WB 150WB 151WB

61 STA 148+05EB, 18.6' LT
INLETS 2x3-HM

CTH CE

145EB 146EB 147EB 148EB 149EB 150EB 151EB

STA 147+98EB, 13.5' LT
INLETS 2x3-HM 60

18"RCP

18"RCP

BURIED TELEPHONE LINE
(APPROXIMATE LOCATION)

EXISTING R/W

PLANTER

FOMH

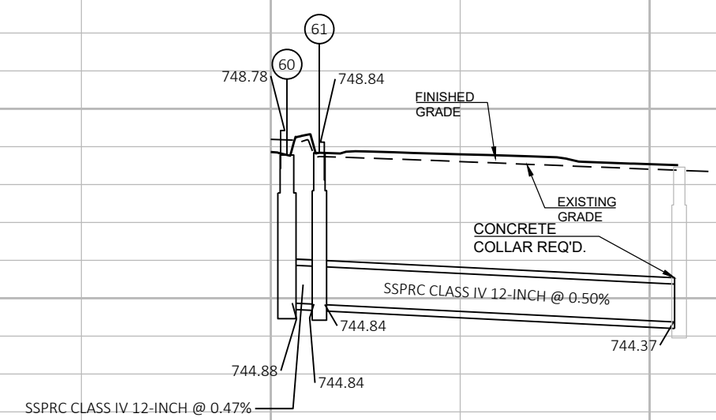
EXISTING R/W

755

750

745

740



PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 48	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022505_SS.DWG
LAYOUT NAME - 022505_ss
PLOT DATE : 11/1/2022 10:25 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

CTH CE

SLOPE INTERCEPTS

CAUTION

BURIED GAS LINE (APPROXIMATE LOCATION)

STA 8+66RR, 1.4' RT
INLETS 2x3-H
40

RAILROAD ST.
9RR

SLOPE INTERCEPTS

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

41 STA 8+65RR, 11.1' RT
INLETS 2x3-H

EXISTING R/W

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

43 STA 8+69RR, 70.5' RT
INLETS MEDIAN 1G-MS

R/W LINE

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

EXISTING R/W

42 STA 8+57RR, 34.4' RT
INLETS 4-HM

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

EXISTING R/W

47 STA 139+10EB, 136.6' RT
INLETS 9-H

8RR

34 STA 7+80RR, 32.7' RT
INLETS 3-C

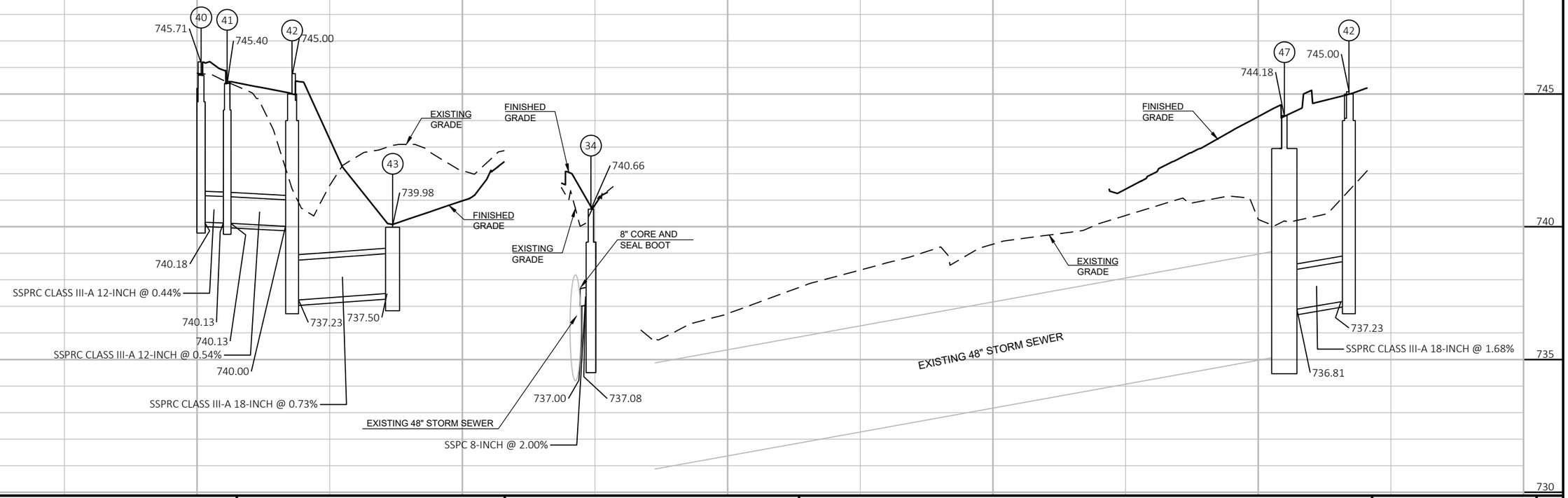
NOTE:
8" CORE AND SEAL BOOT

BUILDING

ASPHALT PARKING LOT

SEPV

POST



PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 49	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022506_SS.DWG
LAYOUT NAME - 022506_ss
PLOT DATE : 10/31/2022 1:38 PM
PLOT BY : GARNICA, BRANDON
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

CTH CE

136EB 137EB 138EB 139EB 140EB 141EB 142EB

12"RCP 4"PCP

SLOPE INTERCEPTS

CAUTION

BURIED GAS LINE (APPROXIMATE LOCATION)

RAILROAD ST.

SLOPE INTERCEPTS

BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

EXISTING R/W

EXISTING R/W

44 STA 136+05EB, 72.5' RT
APRON ENDWALLS FOR CPRC 42-INCH

STA 137+86EB, 73.4' RT 45
MANHOLES 6-J

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

EXISTING R/W

BURIED FIBER OPTIC CABLE (APPROXIMATE LOCATION)

R/W LINE

SEPV

BUILDING

ASPHALT PARKING LOT

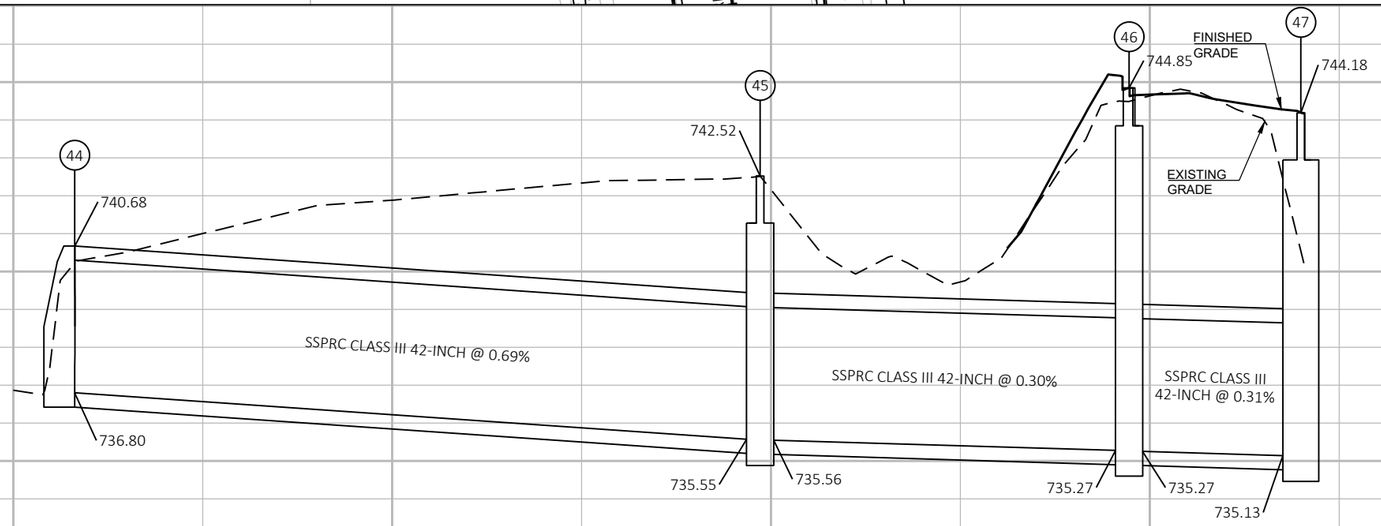
BURIED TELEPHONE LINE (APPROXIMATE LOCATION)

STA 138+65EB, 130.1' RT 46
INLETS 6-H

47 STA 139+10EB, 136.6' RT
INLETS, SPECIAL 9-H

TLE LINE

48"RCP



PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	STORM SEWER	SHEET 50	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\022507_SS.DWG
LAYOUT NAME - 022507_ss

PLOT DATE : 10/31/2022 8:09 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

4160-06-71

Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0004	204.0100	Removing Concrete Pavement	SY	68.000	68.000
0006	204.0110	Removing Asphaltic Surface	SY	344.000	344.000
0008	204.0150	Removing Curb & Gutter	LF	3,813.000	3,813.000
0010	204.0155	Removing Concrete Sidewalk	SY	312.000	312.000
0012	204.0170	Removing Fence	LF	50.000	50.000
0014	204.0195	Removing Concrete Bases	EACH	11.000	11.000
0016	204.0210	Removing Manholes	EACH	2.000	2.000
0018	204.0220	Removing Inlets	EACH	8.000	8.000
0020	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	76.000	76.000
0022	204.0245	Removing Storm Sewer (size) 02. 36-Inch	LF	188.000	188.000
0024	204.0245	Removing Storm Sewer (size) 03. 42-Inch	LF	139.000	139.000
0026	204.9060.S	Removing (item description) 01. Removing Traffic Signals CTH CE & Railroad St	EACH	1.000	1.000
0028	205.0100	Excavation Common	CY	5,027.000	5,027.000
0030	213.0100	Finishing Roadway (project) 01. 4160-06-71	EACH	1.000	1.000
0032	305.0110	Base Aggregate Dense 3/4-Inch	TON	92.000	92.000
0034	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	6,630.000	6,630.000
0036	310.0115	Base Aggregate Open-Graded	CY	14.000	14.000
0038	311.0110	Breaker Run	TON	2,730.000	2,730.000
0040	416.1010	Concrete Surface Drains	CY	2.000	2.000
0042	455.0605	Tack Coat	GAL	130.000	130.000
0044	460.2000	Incentive Density HMA Pavement	DOL	1,150.000	1,150.000
0046	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,070.000	1,070.000
0048	460.7424	HMA Pavement 4 HT 58-28 H	TON	715.000	715.000
0050	465.0105	Asphaltic Surface	TON	80.000	80.000
0052	465.0125	Asphaltic Surface Temporary	TON	10.000	10.000
0054	520.8000	Concrete Collars for Pipe	EACH	7.000	7.000
0056	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	132.000	132.000
0058	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000
0060	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	1.000	1.000
0062	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	601.000	601.000
0064	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	691.000	691.000
0066	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	3,202.000	3,202.000
0068	601.0600	Concrete Curb Pedestrian	LF	50.000	50.000
0070	602.0405	Concrete Sidewalk 4-Inch	SF	8,721.000	8,721.000
0072	602.0415	Concrete Sidewalk 6-Inch	SF	156.000	156.000
0074	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	80.000	80.000
0076	606.0100	Riprap Light	CY	2.000	2.000
0078	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	32.000	32.000
0080	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	324.000	324.000
0082	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	434.000	434.000
0084	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	36.000	36.000
0086	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	64.000	64.000
0088	611.0530	Manhole Covers Type J	EACH	1.000	1.000
0090	611.0535	Manhole Covers Type J-Special	EACH	1.000	1.000
0092	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0094	611.0624	Inlet Covers Type H	EACH	4.000	4.000
0096	611.0627	Inlet Covers Type HM	EACH	12.000	12.000
0098	611.0642	Inlet Covers Type MS	EACH	1.000	1.000

4160-06-71

Line	Item	Item Description	Unit	Total	Qty
0100	611.0666	Inlet Covers Type Z	EACH	3.000	3.000
0102	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0104	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0106	611.3003	Inlets 3-FT Diameter	EACH	3.000	3.000
0108	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0110	611.3230	Inlets 2x3-FT	EACH	13.000	13.000
0112	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0114	611.8115	Adjusting Inlet Covers	EACH	3.000	3.000
0116	611.9800.S	Pipe Grates	EACH	1.000	1.000
0118	612.0106	Pipe Underdrain 6-Inch	LF	280.000	280.000
0120	619.1000	Mobilization	EACH	1.000	1.000
0122	620.0300	Concrete Median Sloped Nose	SF	520.000	520.000
0124	625.0100	Topsoil	SY	4,700.000	4,700.000
0126	627.0200	Mulching	SY	3,500.000	3,500.000
0128	628.1504	Silt Fence	LF	235.000	235.000
0130	628.1520	Silt Fence Maintenance	LF	470.000	470.000
0132	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0134	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0136	628.2006	Erosion Mat Urban Class I Type A	SY	4,700.000	4,700.000
0138	628.2008	Erosion Mat Urban Class I Type B	SY	175.000	175.000
0140	628.7005	Inlet Protection Type A	EACH	20.000	20.000
0142	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0144	628.7015	Inlet Protection Type C	EACH	24.000	24.000
0146	628.7020	Inlet Protection Type D	EACH	1.000	1.000
0148	628.7504	Temporary Ditch Checks	LF	75.000	75.000
0150	628.7555	Culvert Pipe Checks	EACH	5.000	5.000
0152	629.0210	Fertilizer Type B	CWT	6.000	6.000
0154	630.0120	Seeding Mixture No. 20	LB	63.000	63.000
0156	630.0140	Seeding Mixture No. 40	LB	86.000	86.000
0158	630.0200	Seeding Temporary	LB	244.000	244.000
0160	630.0500	Seed Water	MGAL	204.000	204.000
0162	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	38.000	38.000
0164	637.2210	Signs Type II Reflective H	SF	338.250	338.250
0166	637.2215	Signs Type II Reflective H Folding	SF	89.520	89.520
0168	637.2230	Signs Type II Reflective F	SF	36.000	36.000
0170	638.2102	Moving Signs Type II	EACH	1.000	1.000
0172	638.2602	Removing Signs Type II	EACH	21.000	21.000
0174	638.3000	Removing Small Sign Supports	EACH	13.000	13.000
0176	642.5001	Field Office Type B	EACH	1.000	1.000
0178	643.0300	Traffic Control Drums	DAY	18,000.000	18,000.000
0180	643.0420	Traffic Control Barricades Type III	DAY	4,600.000	4,600.000
0182	643.0705	Traffic Control Warning Lights Type A	DAY	8,450.000	8,450.000
0184	643.0715	Traffic Control Warning Lights Type C	DAY	4,100.000	4,100.000
0186	643.0800	Traffic Control Arrow Boards	DAY	107.000	107.000
0188	643.0900	Traffic Control Signs	DAY	4,750.000	4,750.000
0190	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0192	643.3150	Temporary Marking Line Removable Tape 4-Inch	LF	12,700.000	12,700.000
0194	643.5000	Traffic Control	EACH	1.000	1.000
0196	644.1440	Temporary Pedestrian Surface Matting	SF	292.000	292.000

4160-06-71

Line	Item	Item Description	Unit	Total	Qty
0198	644.1601	Temporary Pedestrian Curb Ramp	DAY	20.000	20.000
0200	644.1605	Temporary Pedestrian Detectable Warning Field	SF	16.000	16.000
0202	644.1810	Temporary Pedestrian Barricade	LF	170.000	170.000
0204	645.0111	Geotextile Type DF Schedule A	SY	140.000	140.000
0206	645.0130	Geotextile Type R	SY	4.000	4.000
0208	645.0220	Geogrid Type SR	SY	4,910.000	4,910.000
0210	646.1020	Marking Line Epoxy 4-Inch	LF	10,845.000	10,845.000
0212	646.3020	Marking Line Epoxy 8-Inch	LF	3,000.000	3,000.000
0214	646.5020	Marking Arrow Epoxy	EACH	27.000	27.000
0216	646.5120	Marking Word Epoxy	EACH	6.000	6.000
0218	646.6120	Marking Stop Line Epoxy 18-Inch	LF	224.000	224.000
0220	646.7120	Marking Diagonal Epoxy 12-Inch	LF	60.000	60.000
0222	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	92.000	92.000
0224	646.8120	Marking Curb Epoxy	LF	180.000	180.000
0226	646.8220	Marking Island Nose Epoxy	EACH	10.000	10.000
0228	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	6,800.000	6,800.000
0230	646.9110	Marking Removal Line Water Blasting 8-Inch	LF	900.000	900.000
0232	646.9210	Marking Removal Line Water Blasting Wide	LF	70.000	70.000
0234	646.9310	Marking Removal Special Marking Water Blasting	EACH	4.000	4.000
0236	650.4000	Construction Staking Storm Sewer	EACH	29.000	29.000
0238	650.4500	Construction Staking Subgrade	LF	2,137.000	2,137.000
0240	650.5000	Construction Staking Base	LF	2,137.000	2,137.000
0242	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,494.000	4,494.000
0244	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0246	650.8501	Construction Staking Electrical Installations (project) 01. 4160-06-71	EACH	1.000	1.000
0248	650.9000	Construction Staking Curb Ramps	EACH	4.000	4.000
0250	650.9500	Construction Staking Sidewalk (project) 01. 4160-06-71	EACH	1.000	1.000
0252	650.9911	Construction Staking Supplemental Control (project) 01. 4160-06-71	EACH	1.000	1.000
0254	650.9920	Construction Staking Slope Stakes	LF	2,137.000	2,137.000
0256	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,839.000	2,839.000
0258	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	3,449.000	3,449.000
0260	652.0615	Conduit Special 3-Inch	LF	785.000	785.000
0262	652.0800	Conduit Loop Detector	LF	1,186.000	1,186.000
0264	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	3.000	3.000
0266	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	8.000	8.000
0268	653.0905	Removing Pull Boxes	EACH	10.000	10.000
0270	654.0105	Concrete Bases Type 5	EACH	10.000	10.000
0272	654.0113	Concrete Bases Type 13	EACH	4.000	4.000
0274	655.0230	Cable Traffic Signal 5-14 AWG	LF	796.000	796.000
0276	655.0240	Cable Traffic Signal 7-14 AWG	LF	865.000	865.000
0278	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	8,154.000	8,154.000
0280	655.0700	Loop Detector Lead In Cable	LF	5,712.000	5,712.000
0282	655.0800	Loop Detector Wire	LF	3,880.000	3,880.000
0284	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CTH CE & Railroad Street	EACH	1.000	1.000
0286	657.0100	Pedestal Bases	EACH	7.000	7.000
0288	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	20.000	20.000
0290	657.0310	Poles Type 3	EACH	1.000	1.000
0292	657.0315	Poles Type 4	EACH	9.000	9.000
0294	657.0322	Poles Type 5-Aluminum	EACH	10.000	10.000

4160-06-71

Line	Item	Item Description	Unit	Total	Qty
0296	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	3.000	3.000
0298	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0300	657.0585	Trombone Arms 15-FT	EACH	1.000	1.000
0302	657.0614	Luminaire Arms Single Member 4-Inch Clamp 8-FT	EACH	14.000	14.000
0304	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	18.000	18.000
0306	658.0173	Traffic Signal Face 3S 12-Inch	EACH	20.000	20.000
0308	658.0174	Traffic Signal Face 4S 12-Inch	EACH	7.000	7.000
0310	658.0416	Pedestrian Signal Face 16-Inch	EACH	2.000	2.000
0312	658.0500	Pedestrian Push Buttons	EACH	2.000	2.000
0314	658.5070	Signal Mounting Hardware (location) 01. CTH CE & Railroad Street	EACH	1.000	1.000
0316	659.1120	Luminaires Utility LED B	EACH	32.000	32.000
0318	690.0150	Sawing Asphalt	LF	4,940.000	4,940.000
0320	690.0250	Sawing Concrete	LF	98.000	98.000
0322	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0324	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0326	SPV.0060	Special 01. Concrete Control Cabinet Basement Precast	EACH	1.000	1.000
0328	SPV.0060	Special 02. Concrete Bases Type 1 Special	EACH	7.000	7.000
0330	SPV.0060	Special 03. Concrete Bases Type 2 Special	EACH	10.000	10.000
0332	SPV.0060	Special 04. Install Poles Type 12	EACH	4.000	4.000
0334	SPV.0060	Special 05. Install Monotube Arms 45-FT	EACH	3.000	3.000
0336	SPV.0060	Special 06. Install Monotube Arms 50-FT	EACH	1.000	1.000
0338	SPV.0060	Special 07. Transport and Install Traffic Signal Detection System CTH CE & Railroad St	EACH	1.000	1.000
0340	SPV.0060	Special 08. Remove, Salvage and Reinstall Broadband Radio Interconnect Antenna	EACH	1.000	1.000
0342	SPV.0060	Special 09. Inlets 6-FT Diameter	EACH	1.000	1.000
0344	SPV.0060	Special 10. Inlets 9-FT Diameter	EACH	1.000	1.000
0346	SPV.0090	Special 01. Cable Traffic Signal 16-14 AWG	LF	4,497.000	4,497.000
0348	SPV.0090	Special 02. Tray Cable for Street Lighting 3 Conductor 12 AWG	LF	5,849.000	5,849.000
0350	SPV.0090	Special 03. Tray Cable for Street Lighting 2 Conductor 10 AWG	LF	3,015.000	3,015.000
0352	SPV.0090	Special 04. Install Communications Cable	LF	2,742.000	2,742.000
0354	SPV.0090	Special 05. Storm Sewer Lateral 8-Inch	LF	6.000	6.000

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
0010	7+95	RAILROAD STREET, LT	1	18" x 36' CMP
		TOTAL 0010	1	

REMOVING ASPHALTIC SURFACE, CONCRETE PAVEMENT, AND CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0155 REMOVING CONCRETE SIDEWALK SY	REMARKS
0010	10+55	-	10+99	RAILROAD STREET, LT	-	84	13	NW QUADRANT CURB RAMP
0010	10+45	-	10+72	RAILROAD STREET, RT	-	24	18	NE QUADRANT CURB RAMP
0010	11+13	-	11+20	RAILROAD STREET, RT	-	236	-	NB LANE
0010	11+20	-	11+53	RAILROAD STREET, LT	68	-	-	SB LANE
0010	133+02	-	138+01	CTH CE (EB), LT	-	-	215	WEST MEDIAN
0010	139+21	-	140+77	CTH CE (EB), LT	-	-	66	EAST MEDIAN
				TOTAL 0010	68	344	312	

REMOVING FENCE

CATEGORY	STATION	TO	STATION	LOCATION	204.0170 REMOVING FENCE LF
0010	131+05	-	131+55	CTH CE (EB), RT	50
				TOTAL 0010	50

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF	REMARKS
0010	7+68	-	9+40	RAILROAD STREET, RT	71	SE QUADRANT
0010	7+68	-	9+40	RAILROAD STREET, LT	55	SW QUADRANT
0010	10+37	-	11+20	RAILROAD STREET, LT	106	NW QUADRANT
0010	10+37	-	11+20	RAILROAD STREET, RT	107	NE QUADRANT
0010	130+60	-	138+06	CTH CE (EB), LT	749	MEDIAN ISLAND
0010	130+60	-	138+06	CTH CE (WB), RT	749	MEDIAN ISLAND
0010	139+16	-	149+00	CTH CE (EB), LT	988	MEDIAN ISLAND
0010	139+16	-	149+00	CTH CE (WB), RT	988	MEDIAN ISLAND
				TOTAL 0010	3,813	

REMOVING MANHOLES & INLETS

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
0010	8+34	RAILROAD STREET, RT	1	-
0010	133+00	CTH CE (EB), LT	-	2
0010	136+00	CTH CE (EB), LT	-	2
0010	139+25	CTH CE (EB), LT	-	2
0010	139+55	CTH CE (EB), LT	1	-
0010	142+00	CTH CE (EB), LT	-	2
		TOTAL 0010	2	8

REMOVING STORM SEWER

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 36-INCH LF	204.0245.03 REMOVING STORM SEWER 42-INCH LF	REMARKS
0010	133+00			STH CE (EB), LT	12	-	-	RCP
0010	136+00			CTH CE (EB), LT	12	-	-	RCP
0010	136+00	-	137+77	CTH CE (EB), RT	-	188	-	CMP
0010	137+77	-	139+10	CTH CE (EB), RT	-	-	139	CMP
0010	139+23	-	139+58	CTH CE (EB), RT	34	-	-	SS
0010	142+00			CTH CE (EB), LT	18	-	-	RCP
				TOTAL 0010	76	188	139	

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EARTHWORK SUMMARY

Division	From/To Station	Location	Common Excavation (item #205.0100) Cut (1)	Unusable Pavement Material (4)	Available Material (5)	Unexpanded Fill	Expanded Fill (13) Factor 1.30	Mass Ordinate +/- (14)	Waste
1	130+66.4 to 132+55	CTH CE-EB LOONHEAD	89	7	82	408	530	-448	-448
	130+60 to 149+00	CTH CE-MAINLINE	3,930	733	3,197	136	177	3,020	3,020
	7+67.5 to 11+71	RAILROAD STREET	655	115	540	235	306	235	235
	146+54.5 to 150+00	TRAIL	86	34	52	8	10	42	42
	146+91.25 to 149+00	CTH CE-WB LOONHEAD	267	25	242	110	143	99	99
Division 1 Totals			5,027	914	4,113	897	1,166	2,947	2,947

1) Unsuable Pavement Material is included in Cut

4) Unusable Pavement Material = Existing Asphaltic Pavement.

5) Available Material = Cut - Unusuable Pavement Material

13) Expanded Fill. Factor = 1.3 Expanded Fill = Unexpanded Fill * Fill Factor

14) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material w ithin the Division.

PIPE UNDERDRAIN ITEMS

CATEGORY	STRUCTURE	LOCATION	310.0115 BASE AGGREGATE OPEN-GRADED CY	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	10	CTH CE (EB), LT	1	20	10
0010	11	CTH CE (EB), LT	1	20	10
0010	13	CTH CE (EB), LT	1	20	10
0010	14	CTH CE (EB), LT	1	20	10
0010	20	CTH CE (EB), LT	1	20	10
0010	21	CTH CE (EB), LT	1	20	10
0010	30	CTH CE (EB), LT	1	20	10
0010	31	CTH CE (EB), LT	1	20	10
0010	32	CTH CE (EB), LT	1	20	10
0010	33	CTH CE (EB), LT	1	20	10
0010	50	CTH CE (EB), LT	1	20	10
0010	51	CTH CE (EB), LT	1	20	10
0010	60	CTH CE (EB), LT	1	20	10
0010	61	CTH CE (EB), LT	1	20	10
		TOTAL 0010	14	280	140

CONCRETE SURFACE DRAINS

CATEGORY	STATION	LOCATION	416.1010 CONCRETE SURFACE DRAINS CY	REMARKS
0010	7+75	RAILROAD STREET, LT	2	SW QUADRANT
		TOTAL 0010	2	

CULVERT PIPE AND APRON ENDWALLS

CATEGORY	STATION	TO	STATION	LOCATION	* 5221024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF
0010	130+74			CTH CE (EB), LT	1	-
0010	130+74	-	132+06	CTH CE (EB), LT	-	132
0010	132+06			CTH CE (EB), LT	1	-
				TOTAL 0010	2	132

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

BASE AGGREGATE DENSE

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	REMARKS
0010	7+68	-	9+40	RAILROAD STREET, RT & LT	-	703	344	SOUTH OF INTERSECTION
0010	10+37	-	11+53	RAILROAD STREET, RT & LT	-	660	226	NORTH OF INTERSECTION
0010	10+55	-	10+99	RAILROAD STREET, LT	-	31	-	NW QUADRANT CURB RAMP
0010	10+45	-	10+72	RAILROAD STREET, RT	-	12	-	NE QUADRANT CURB RAMP
0010	130+60	-	138+60	CTH CE (EB), LT	-	1,558	644	MEDIAN
0010	130+66	-	132+55	CTH CE (EB), RT	20	438	208	WEST LOON
0010	138+60	-	149+00	CTH CE (EB), LT	-	2,017	839	MEDIAN
0010	141+20	-	144+14	CTH CE (WB), LT	50	441	198	EAST RIGHT TURN
0010	146+54	-	150+00	CTH CE (WB), LT	-	171	-	EAST PATH REPLACEMENT
0010	146+91	-	149+00	CTH CE (WB), LT	22	599	271	EAST LOON
				TOTAL 0010	92	6,630	2,730	

HMA PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	REMARKS
0010	7+67	-	9+48	RAILROAD STREET, RT & LT	43	146	97	-	-	SOUTH OF INTERSECTION
0010	10+36	-	11+53	RAILROAD STREET, RT & LT	25	86	57	-	-	NORTH OF INTERSECTION
0010	10+45	-	10+72	RAILROAD STREET, RT	-	-	-	10	-	NW QUADRANT CURB RAMP
0010	10+55	-	10+99	RAILROAD STREET, LT	-	-	-	3	-	NE QUADRANT CURB RAMP
0010	130+66	-	132+55	CTH CE (EB), RT	26	90	60	-	-	WEST LOON
0010	130+60	-	138+59	CTH CE (EB), LT	68	237	158	-	-	MEDIAN
0010	138+59	-	149+00	CTH CE (EB), LT	92	317	211	-	-	MEDIAN
0010	141+20	-	144+14	CTH CE (WB), LT	19	66	44	-	-	EAST RIGHT TURN
0010	146+54	-	150+00	CTH CE (WB), LT	-	-	-	67	-	EAST PATH REPLACEMENT
0010	146+91	-	149+00	CTH CE (WB), LT	37	128	88	-	-	EAST LOON
				STORM SEWER LEADS	-	-	-	-	10	FOR PATCHES IN EXISTING PAVEMENT
				TOTAL 0010	310	1,070	715	80	10	

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CONCRETE CURB AND GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	REMARKS
0010	7+68	-	9+24	RAILROAD STREET, RT	-	103	95	SE QUADRANT
0010	7+83	-	9+03	RAILROAD STREET, LT	-	120	-	SW QUADRANT
0010	8+52	-	9+37	RAILROAD STREET, RT	-	215	-	MEDIAN ISLAND
0010	9+03	-	9+48	RAILROAD STREET, LT	-	-	64	SW QUADRANT
0010	10+38	-	11+13	RAILROAD STREET, LT	-	195	-	MEDIAN ISLAND
0010	10+37	-	11+20	RAILROAD STREET, RT	-	-	107	NE QUADRANT
0010	10+37	-	10+89	RAILROAD STREET, LT	-	-	91	NW QUADRANT
0010	10+89	-	11+53	RAILROAD STREET, LT	-	58	-	NW QUADRANT
0010	130+60	-	130+99	CTH CE (EB), LT	-	-	85	MEDIAN
0010	131+45	-	137+98	CTH CE (EB), LT	-	-	1,116	MEDIAN
0010	136+02	-	137+98	CTH CE (EB), LT	199	-	-	MEDIAN
0010	138+22	-	138+98	CTH CE (EB), LT	-	-	168	MEDIAN
0010	139+23	-	143+23	CTH CE (EB), LT	402	-	-	MEDIAN
0010	139+23	-	148+15	CTH CE (EB), LT	-	-	1,391	MEDIAN
0010	148+62	-	149+00	CTH CE (EB), LT	-	-	85	MEDIAN
				TOTAL 0010	601	691	3,202	

ADJUSTING INLET COVERS

CATEGORY	STATION	LOCATION	611.8115 ADJUSTING INLET COVERS EACH
0010	11+57	RAILROAD STREET, LT	1
0010	149+00	CTH CE, EB, LT	2
		TOTAL 0010	3

RIPRAP AND GEOTEXTILE

CATEGORY	STATION	LOCATION	606.0100 RIPRAP LIGHT CY	645.0130 GEOTEXTILE TYPE R SY
0010	7+75	RAILROAD STREET, LT	2	4
		TOTAL 0010	2	4

CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	REMARKS
0010	8+56	-	9+35	RAILROAD STREET, RT	-	1,501	-	-	SOUTH MEDIAN ISLAND
0010	10+41	-	11+10	RAILROAD STREET, LT	50	1,276	-	40	NORTH MEDIAN ISLAND
0010	10+45	-	10+72	RAILROAD STREET, RT	-	163	68	20	NE QUADRANT CURB RAMP
0010	10+55	-	10+99	RAILROAD STREET, LT	-	100	88	20	NW QUADRANT CURB RAMP
0010	131+52	-	137+92	CTH CE (EB), LT	-	2,259	-	-	MEDIAN ISLAND
0010	138+29	-	138+92	CTH CE (EB), LT	-	684	-	-	MEDIAN ISLAND
0010	139+29	-	148+08	CTH CE (EB), LT	-	2,738	-	-	MEDIAN ISLAND
				TOTAL 0010	50	8,721	156	80	

STORM SEWER PIPE

FROM	TO	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.3012 STORM SEWER PIPE CLASS III-A 12-INCH LF	608.3018 STORM SEWER PIPE CLASS III-A 18-INCH LF	SPV.0090.05 STORM SEWER LATERAL 8-INCH LF
10	11	CTH CE (EB)	-	-	-	6	-	-	-
11	12	CTH CE (EB)	-	-	-	140	-	-	-
12	EXIST	CTH CE (EB)	1	-	-	6	-	-	-
13	12	CTH CE (EB)	-	-	-	8	-	-	-
14	13	CTH CE (EB)	-	-	-	6	-	-	-
20	EXIST	CTH CE (EB)	1	-	-	4	-	-	-
21	20	CTH CE (EB)	-	-	-	8	-	-	-
30	31	CTH CE (EB)	-	-	-	12	-	-	-
31	32	CTH CE (EB)	-	-	-	122	-	-	-
EXIST	32A	CTH CE (EB)	1	6	-	-	-	-	-
32	EXIST	CTH CE (EB)	1	4	-	-	-	-	-
33	32	CTH CE (EB)	-	8	-	-	-	-	-
EXIST	33	CTH CE (EB)	1	14	-	-	-	-	-
34	EXIST	RAILROAD STREET	-	-	-	-	-	-	6
50	EXIST	CTH CE (EB)	1	-	-	14	-	-	-
51	50	CTH CE (EB)	-	-	-	8	-	-	-
60	61	CTH CE (EB)	-	-	-	6	-	-	-
61	EXIST	CTH CE (EB)	1	-	-	94	-	-	-
40	41	RAILROAD STREET	-	-	-	-	10	-	-
41	42	RAILROAD STREET	-	-	-	-	26	-	-
43	42	RAILROAD STREET	-	-	-	-	-	38	-
42	47	CTH CE (EB)	-	-	-	-	-	26	-
44	45	CTH CE (EB)	-	-	180	-	-	-	-
45	46	CTH CE (EB)	-	-	98	-	-	-	-
46	47	CTH CE (EB)	-	-	46	-	-	-	-
		TOTAL 0010	7	32	324	434	36	64	6

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STORM SEWER STRUCTURES AND COVERS

CATEGORY	STRUCTURE	* 522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORECED CONCRETE 42-INCH EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0666 INLET COVERS TYPE Z EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.9800.S PIPE GRATES EACH	SPV.0060.09 INLETS 6-FT DIAMETER EACH	SPV.0060.10 INLETS 9-FT DIAMETER EACH
0010	10	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	11	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	12	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
0010	13	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	14	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	20	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	21	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
0010	30	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	31	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	32	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	32A	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0010	33	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
0011	34	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-
0010	40	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
0010	41	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-
0010	42	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
0010	43	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
0010	44	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
0010	45	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
0010	46	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-
0010	47	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
0010	50	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-
0010	51	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	60	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
0010	61	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
		1	1	1	1	1	4	12	1	3	1	1	3	2	13	1	1	1	1

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
0010	8+55	RAILROAD STREET, RT	35
0010	9+35	RAILROAD STREET, RT	35
0010	10+40	RAILROAD STREET, LT	35
0010	11+10	RAILROAD STREET, LT	35
0010	130+95	CTH CE (EB), LT	55
0010	131+50	CTH CE (EB), LT	50
0010	137+95	CTH CE (EB), LT	40
0010	138+25	CTH CE (EB), LT	45
0010	138+95	CTH CE (EB), LT	45
0010	139+25	CTH CE (EB), LT	40
0010	148+10	CTH CE (EB), LT	50
0010	148+65	CTH CE (EB), LT	55
		TOTAL 0010	520

MOBILIZATION EROSION CONTROL

CATEGORY	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT	5	3
	TOTAL 0010	5	3

INLET PROTECTION

CATEGORY	STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	5+66	RAILROAD STREET,LT	-	-	1	-
0010	7+68	RAILROAD STREET,LT	-	-	-	1
0010	7+80	RAILROAD STREET,RT	1	1	-	-
0010	8+57	RAILROAD STREET,LT	1	-	1	-
0010	8+65	RAILROAD STREET,LT	1	-	1	-
0010	8+66	RAILROAD STREET,LT	1	-	1	-
0010	8+69	RAILROAD STREET,LT	1	-	1	-
0010	11+58	RAILROAD STREET,LT	-	-	1	-
0010	130+00	CTH CE (EB), LT	-	-	2	-
0010	131+55	CTH CE (EB), LT	1	-	1	-
0010	131+62	CTH CE (EB), LT	1	-	1	-
0010	133+00	CTH CE (EB), LT	2	-	1	-
0010	133+07	CTH CE (EB), LT	1	-	1	-
0010	136+00	CTH CE (EB), RT	2	-	2	-
0010	138+37	CTH CE (EB), LT	2	-	2	-
0010	139+58	CTH CE (EB), LT	2	-	2	-
0010	142+00	CTH CE (EB), LT	2	-	2	-
0010	147+98	CTH CE (EB), LT	1	-	1	-
0010	148+05	CTH CE (EB), LT	1	-	1	-
0010	149+00	CTH CE (EB), LT	-	-	2	-
		TOTAL 0010	20	1	24	1

SILT FENCE

CATEGORY	STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	REMARKS
0010	7+75	-	8+25	RAILROAD STREET, LT	50	100	SW QUADRANT
0010	10+36	-	11+53	RAILROAD STREET, LT	146	292	NE QUADRANT
0010				UNDISTRIBUTED	39	78	
				TOTAL 0010	235	470	

3

EROSION MAT

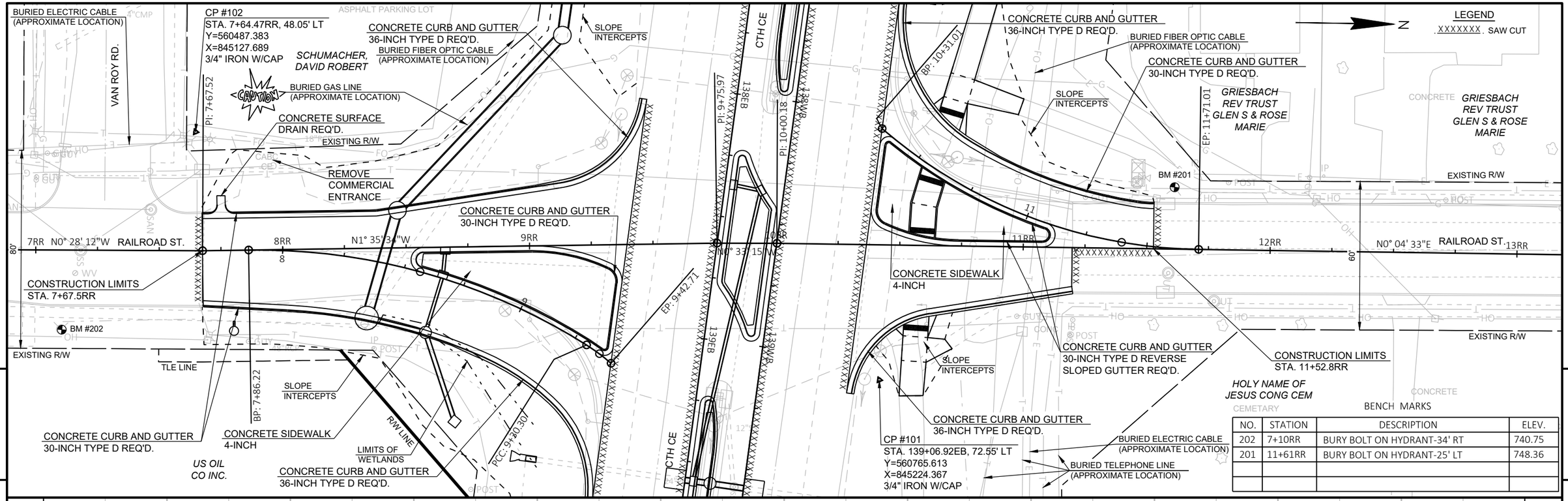
CATEGORY	STATION	TO	STATION	LOCATION	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	REMARKS
0010	7+67	-	9+48	RAILROAD STREET, LT	850	37	SOUTHWEST QUADRANT
0010	7+67	-	9+18	RAILROAD STREET, RT	498	48	SOUTH EAST QUADRANT
0010	10+41	-	10+72	RAILROAD STREET, LT	28	-	NORTHEAST QUADRANT
0010	10+51	-	11+70	RAILROAD STREET, RT	206	-	NORTHWEST QUADRANT
0010	130+50	-	132+75	CTH CE (EB), RT	297	54	WEST LOON
0010	130+60	-	130+92	CTH CE (EB), LT	34	-	MEDIAN
0010	141+20	-	144+14	CTH CE (WB), LT	598	-	EAST RIGHT TURN
0010	146+54	-	150+00	CTH CE (WB), LT	273	-	EAST PATH
0010	146+67	-	149+09	CTH CE (WB), LT	942	-	EAST LOON
0010	148+68	-	149+00	CTH CE (EB), LT	34	-	EAST MEDIAN ISLAND
				UNDISTRIBUTED	940	36	
				TOTAL 0010	4,700	175	

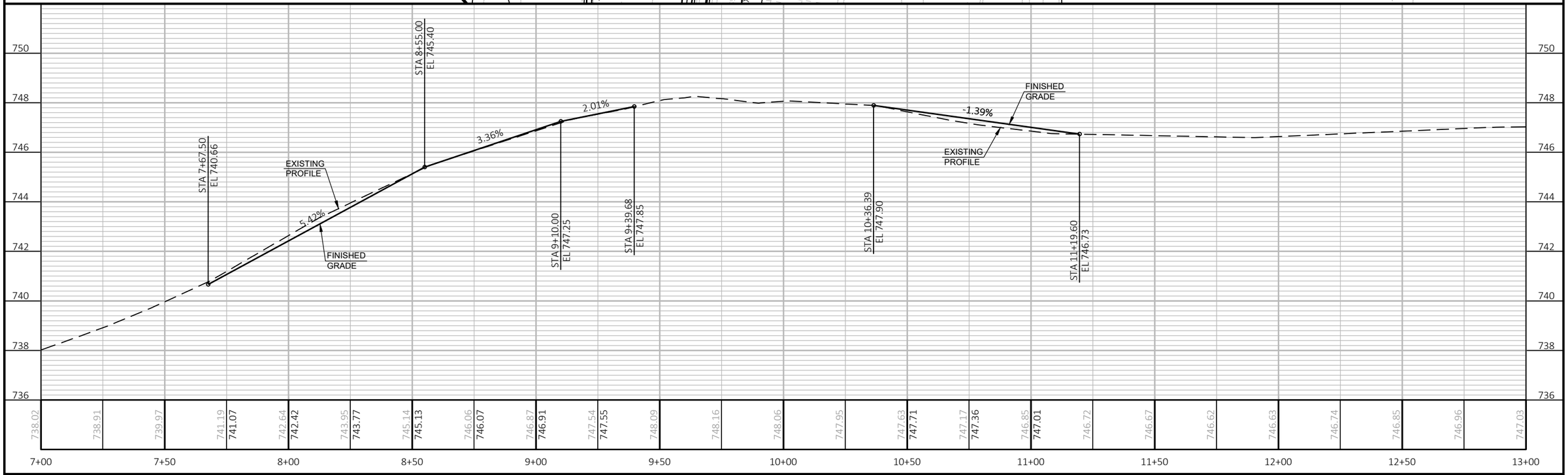
DITCH CHECKS AND PIPE CHECKS

CATEGORY	STATION	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
0010	130+75	CTH CE (EB), RT	-	4
0010	132+75	CTH CE (EB), RT	15	-
0010	144+00	CTH CE (WB), LT	15	-
0010	146+75	CTH CE (WB), LT	15	-
0010	149+25	CTH CE (WB), LT	15	-
		UNDISTRIBUTED	15	1
		TOTAL 0010	75	5

LANDSCAPING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	REMARKS
0010	7+67	-	9+48	RAILROAD STREET, LT	818	-	0.5	-	15	22	18	SOUTHWEST QUADRANT
0010	7+67	-	9+18	RAILROAD STREET, RT	500	-	0.3	-	9	13	11	SOUTH EAST QUADRANT
0010	130+50	-	132+75	CTH CE (EB), RT	351	-	0.3	-	6	9	8	WEST LOON
0010	130+60	-	130+92	CTH CE (EB), LT	34	-	0.1	-	1	1	1	MEDIAN
0010	141+20	-	144+14	CTH CE (WB), LT	600	-	0.4	-	11	16	13	EAST RIGHT TURN
0010	146+67	-	149+09	CTH CE (WB), LT	904	-	0.6	-	16	24	20	EAST LOON
0010	146+54	-	150+00	CTH CE (WB), LT	273	-	0.2	-	5	7	6	EAST PATH
0010	148+68	-	149+00	CTH CE (EB), LT	34	-	0.0	-	1	1	1	MEDIAN
0010	10+41	-	10+72	RAILROAD STREET, LT	28	-	0.1	-	1	1	1	NORTHEAST QUADRANT
0010	10+51	-	11+70	RAILROAD STREET, RT	221	-	0.1	-	4	6	5	NORTHWEST QUADRANT
				WASTE SITE	-	3,500	2.2	63	-	95	79	
				UNDISTRIBUTED	937	-	1.2	-	17	49	41	
				TOTAL 0010	4,700	3,500	6.0	63	86	244	204	

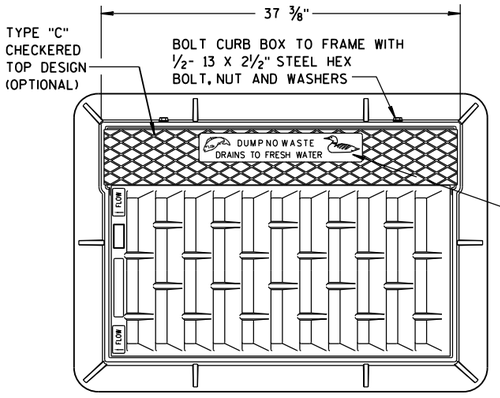




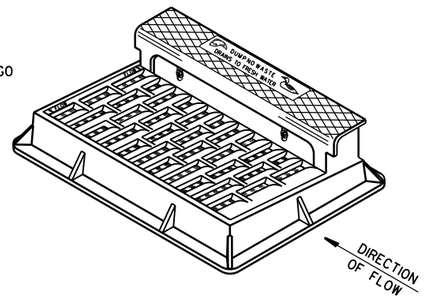
PROJECT NO: 4160-06-71	HWY: CTH CE	COUNTY: OUTAGAMIE	PLAN AND PROFILE: RAILROAD STREET	SHEET 100	E

FILE NAME : I:\45\450456 CTH CE AND RAILROAD ST RAB\C3D\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050101_pp
PLOT DATE : 10/31/2022 8:12 AM PLOT BY : GARNICA, BRANDON PLOT NAME : PLOT SCALE : 1 IN:40 FT

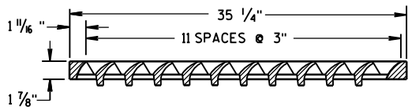
WISDOT/CADDS SHEET 44

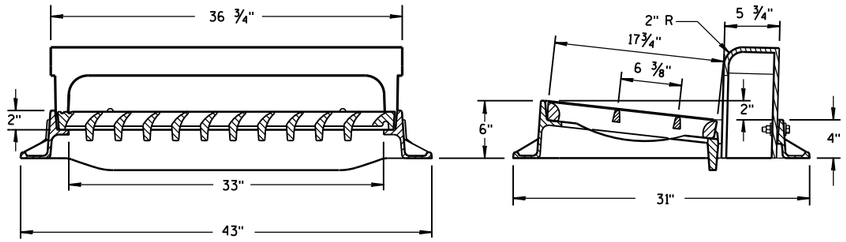


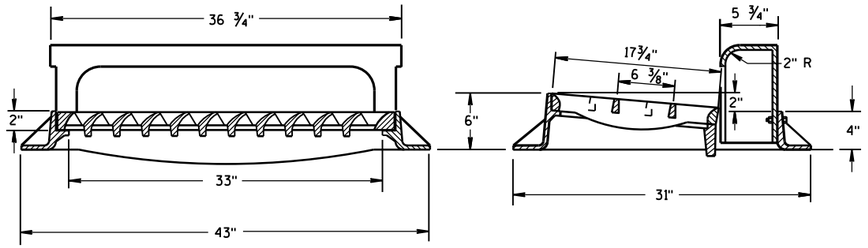
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

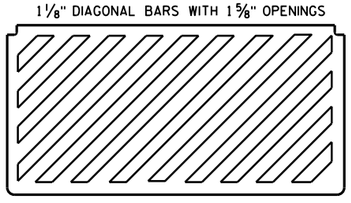






TYPE "H"

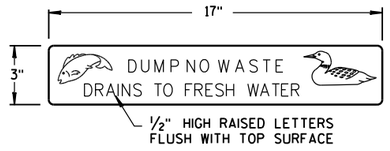
NOTE: EITHER CASTING IS ACCEPTABLE



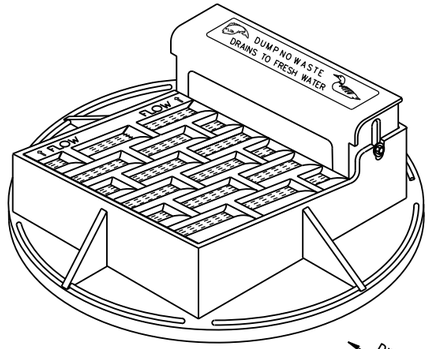
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

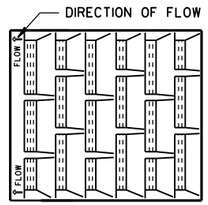
NOTE:
GRATE IS REVERSIBLE.

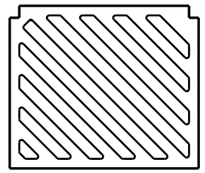
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

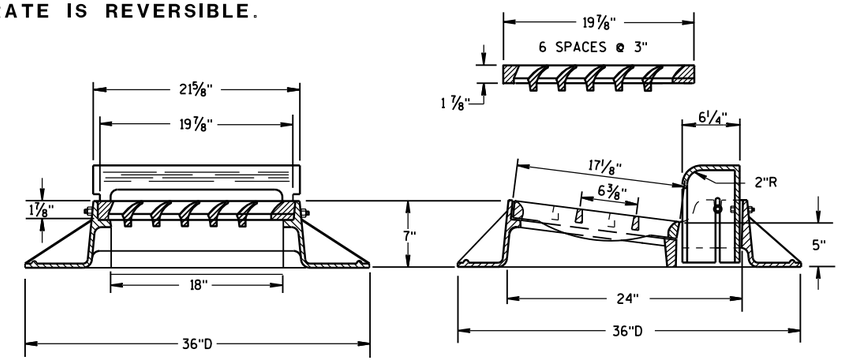




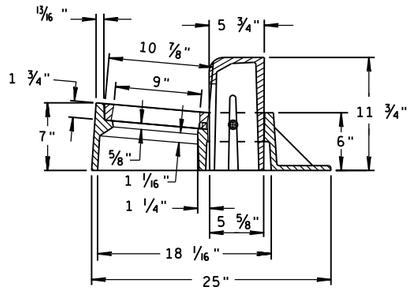
SPECIAL GRATE FOR TYPE "A" COVER

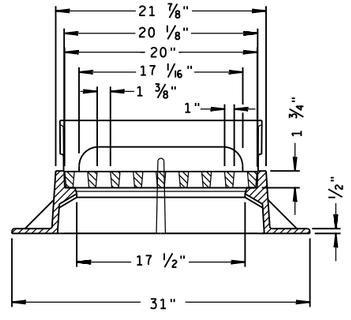
(MEASURES 19 3/4" X 17" X 1 7/8")

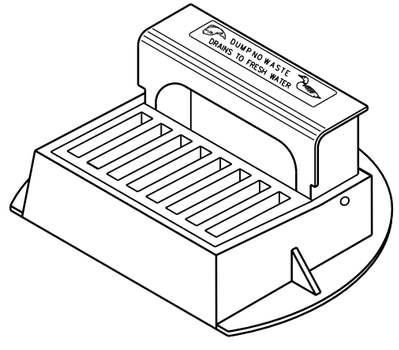
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

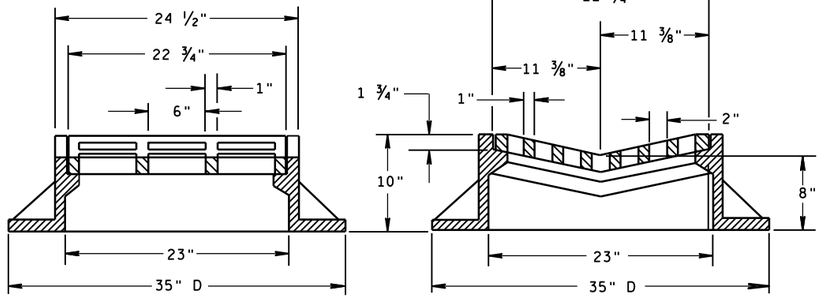
INLET COVERS
TYPE A, H, A-S, H-S & Z

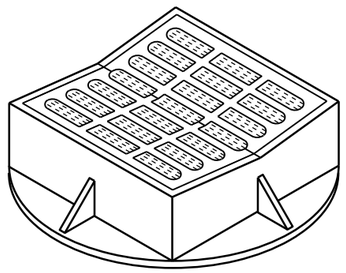
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

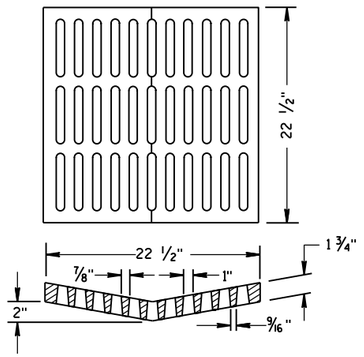
6

S.D.D. 8 A 5-19a



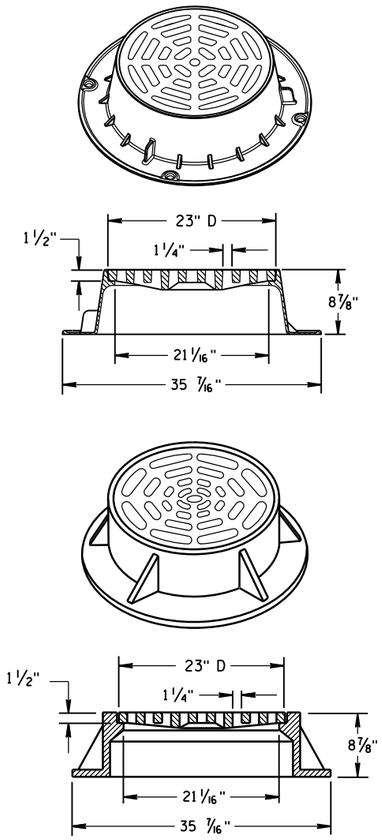


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

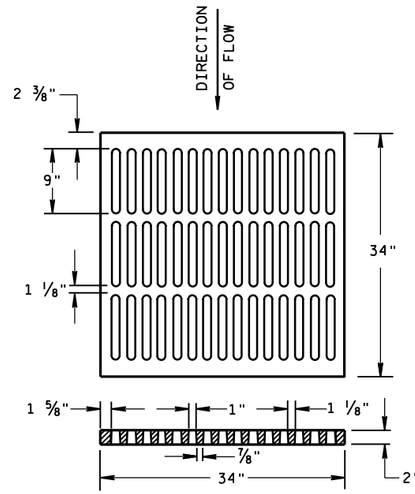
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

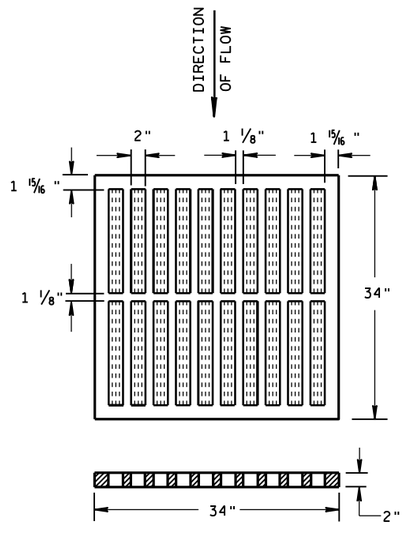
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



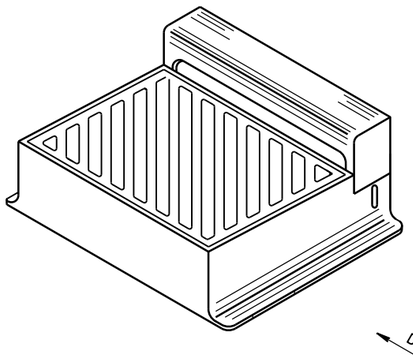
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

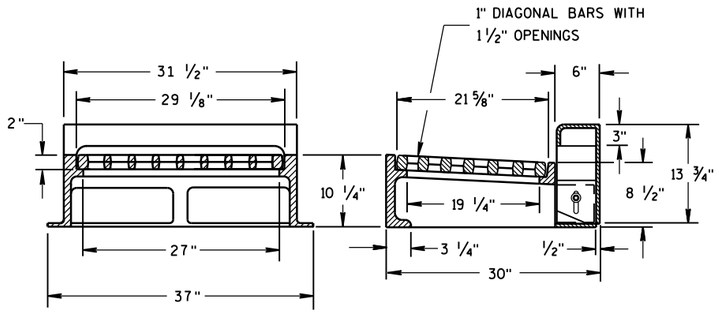


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

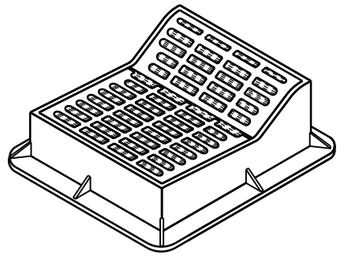
INLET COVERS
TYPE B, B-A, C, MS, MS-A, & WM

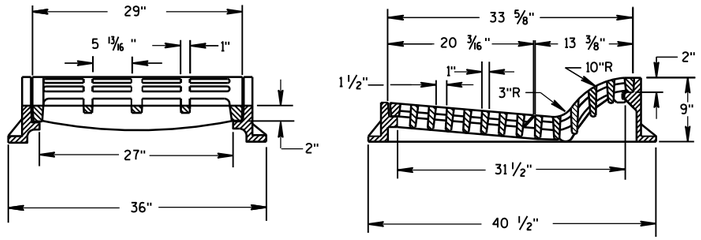
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

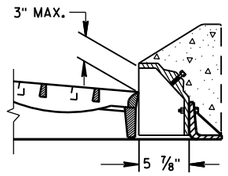
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

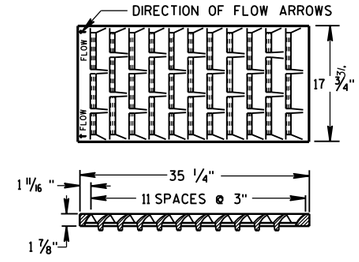
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

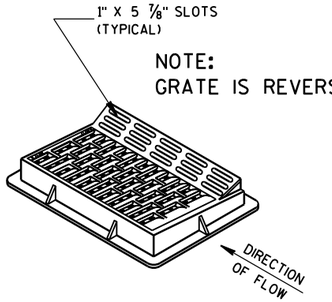
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

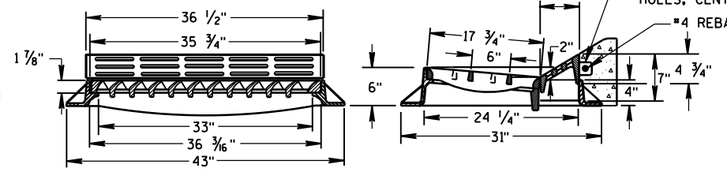
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



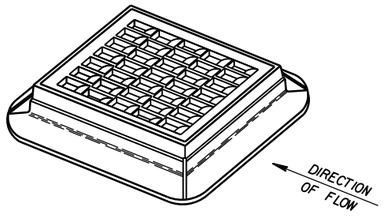


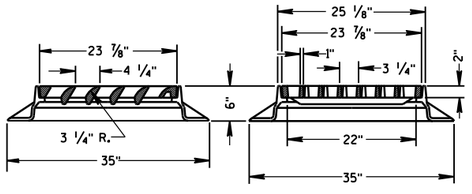


TYPE "HM"

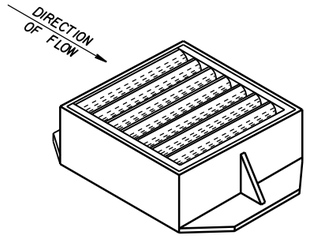
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

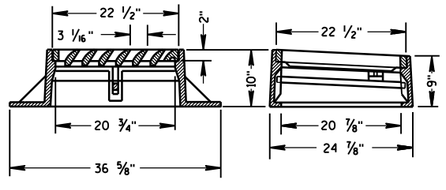
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



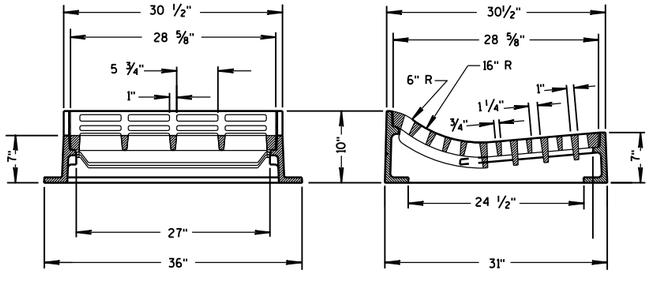


TYPE "S"



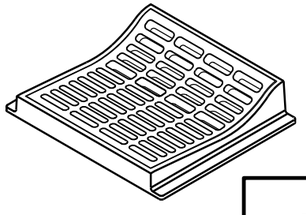


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

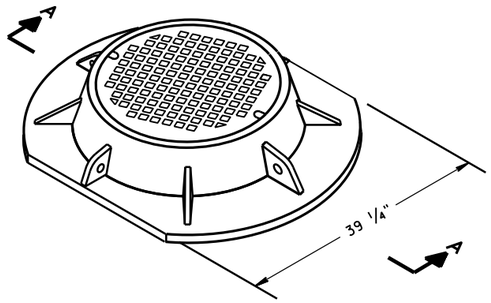
APPROVED
11/27/2013
DATE

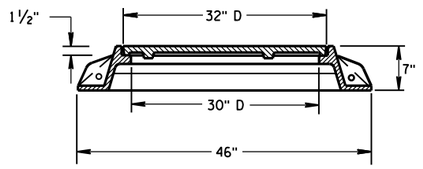
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

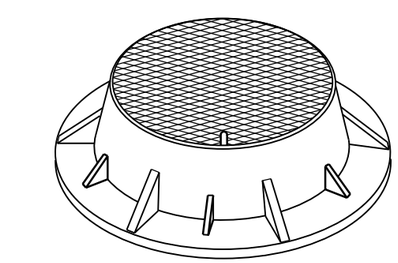
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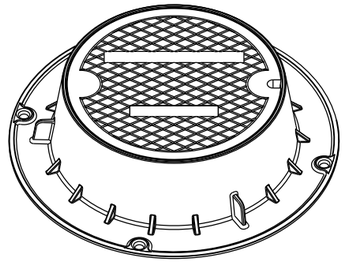
S.D.D. 8 A 5-19c

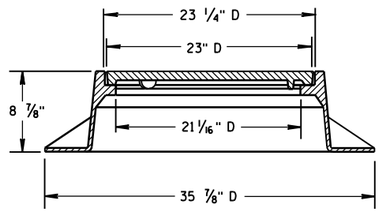


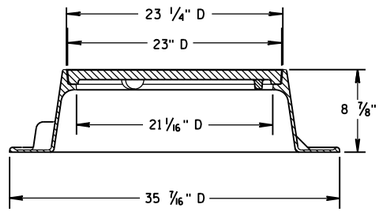


SECTION A-A
TYPE "K"









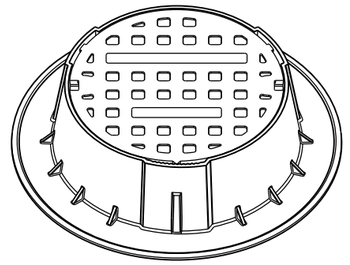
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

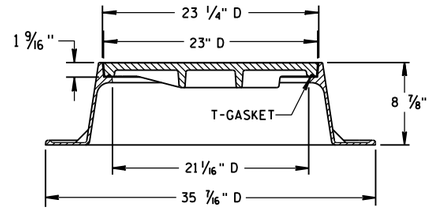
GENERAL NOTES

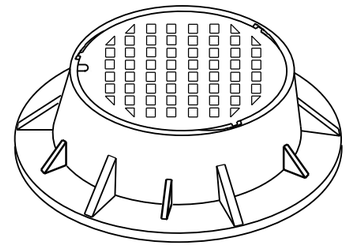
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

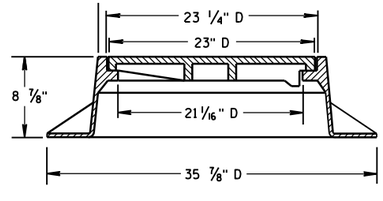
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

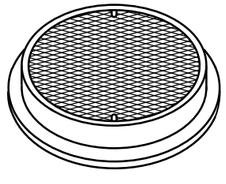


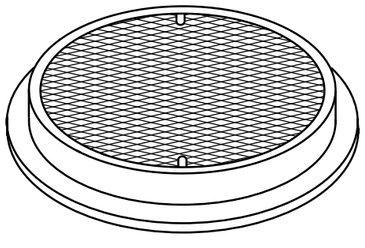


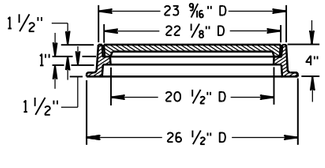




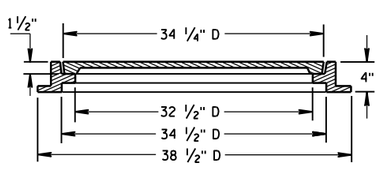
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



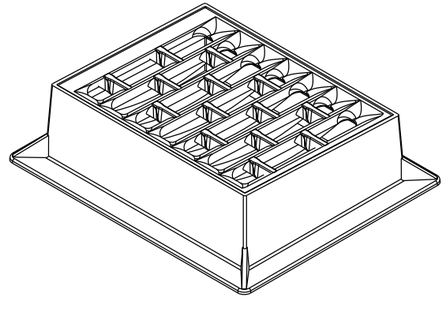


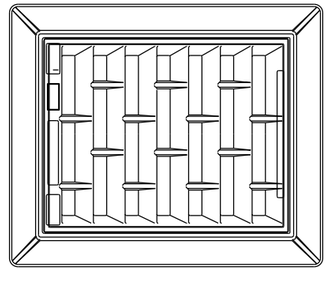


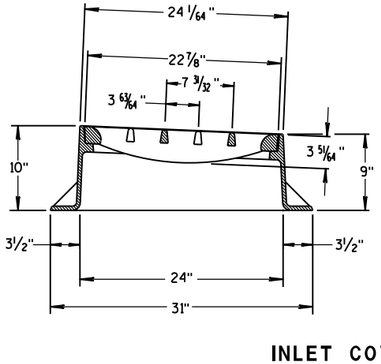
TYPE "L"

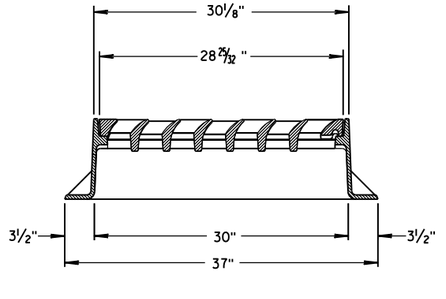


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

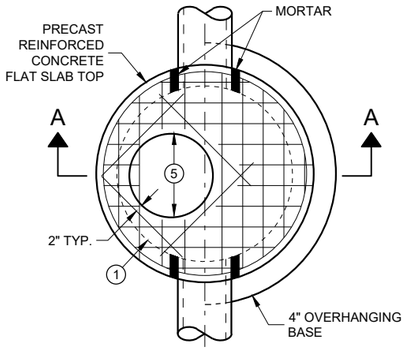
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

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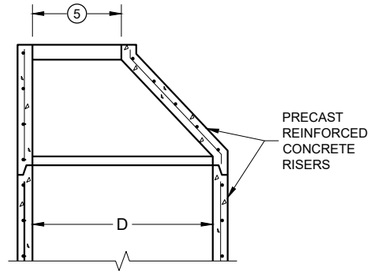
S.D.D. 8 A 5-19d

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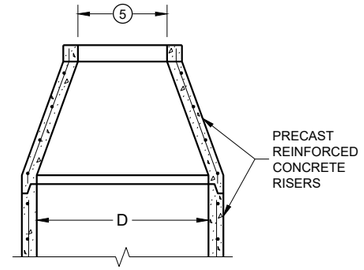
S.D.D. 8 A 5-19d



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

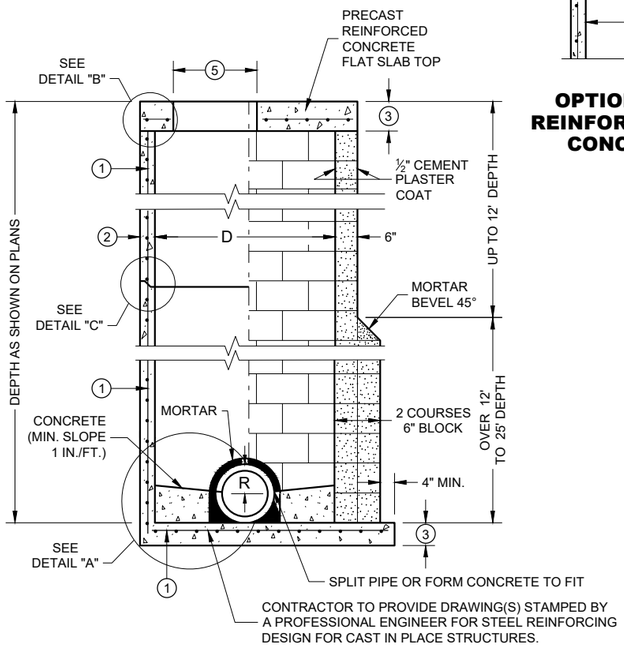
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

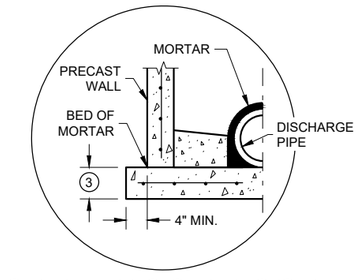
(5) SEE MANHOLE COVER OPENING MATRIX.



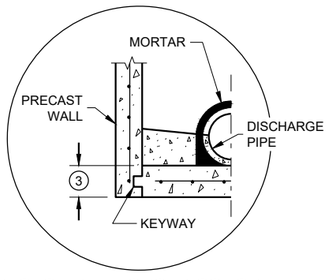
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

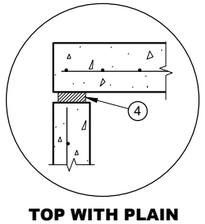


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

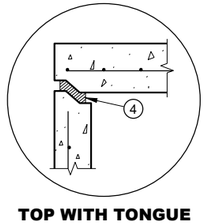


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

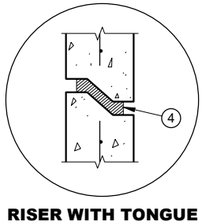
DETAIL "A"



TOP WITH PLAIN END JOINT

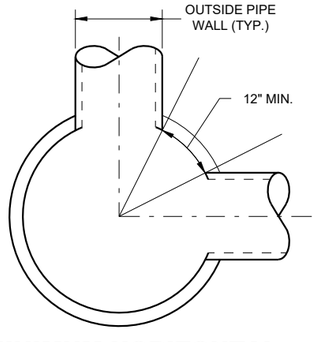


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

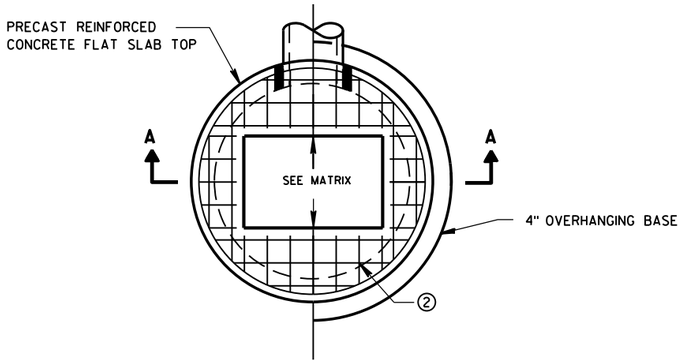
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

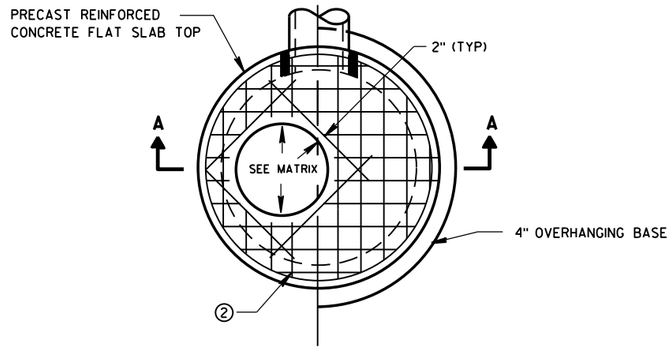
SDD 08B09 - 03

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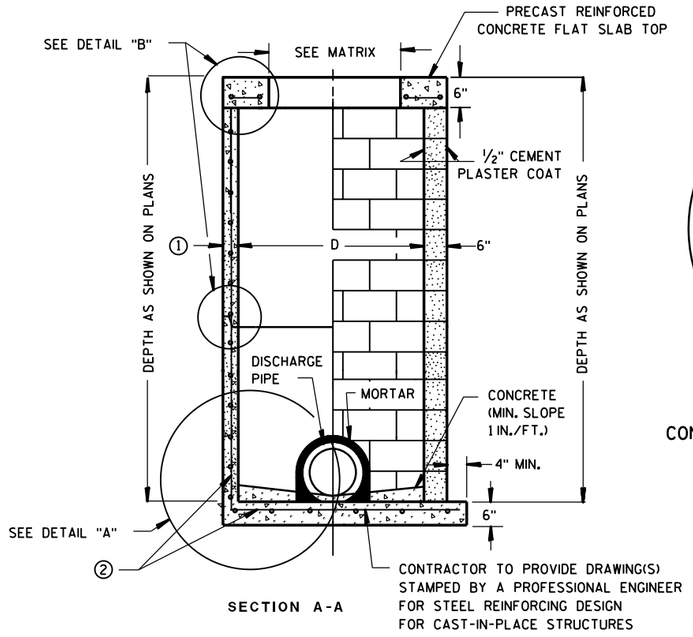
SDD 08B09 - 03



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

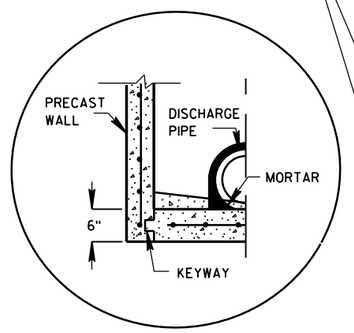


SECTION A-A

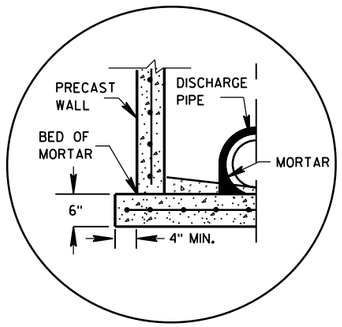
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

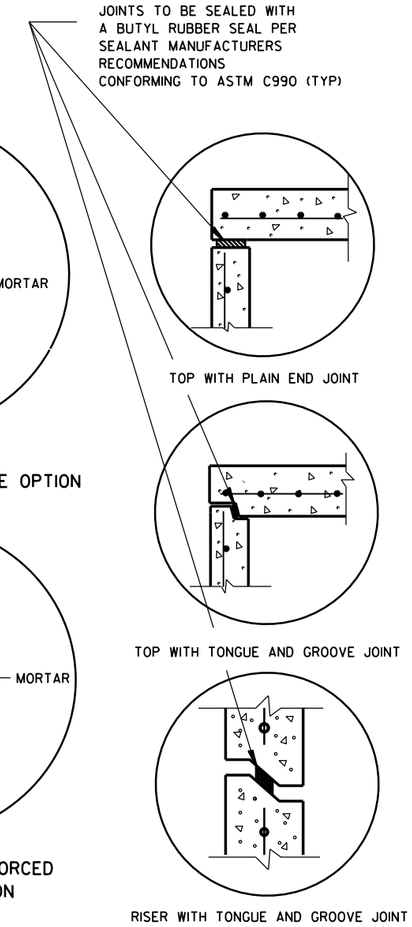


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

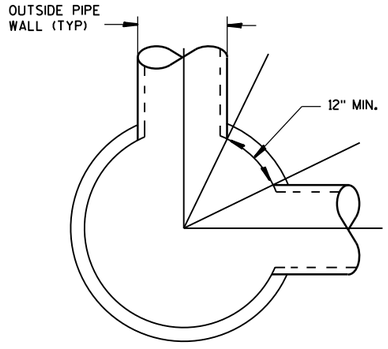
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

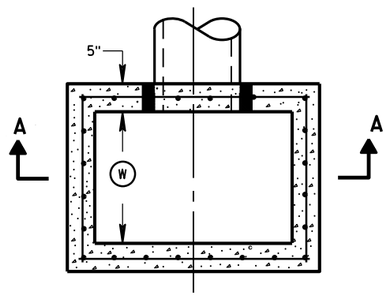
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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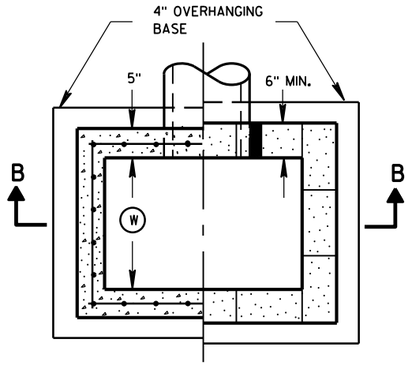
S.D.D. 8 C 6-2

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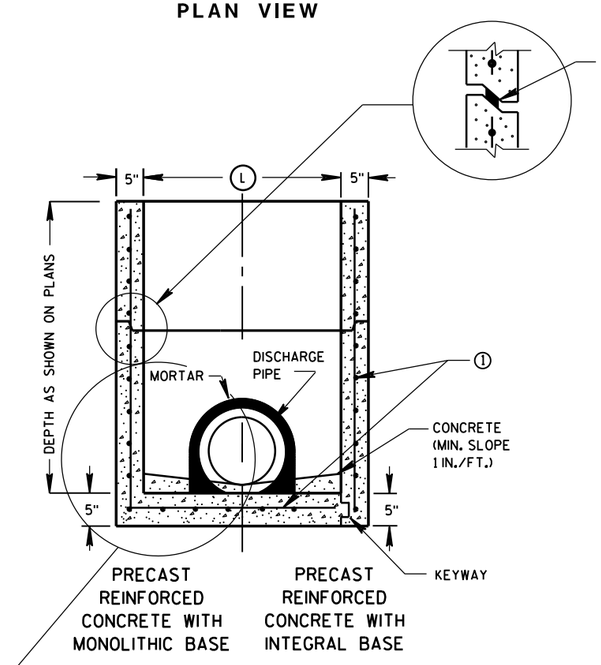
S.D.D. 8 C 6-2



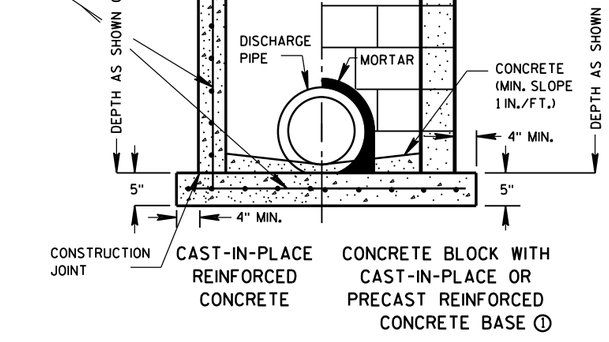
PLAN VIEW



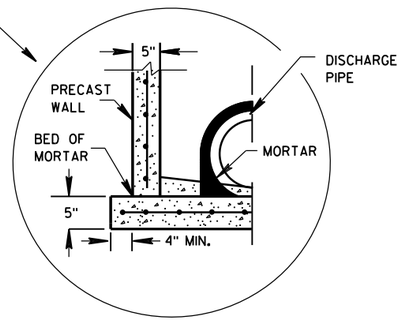
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

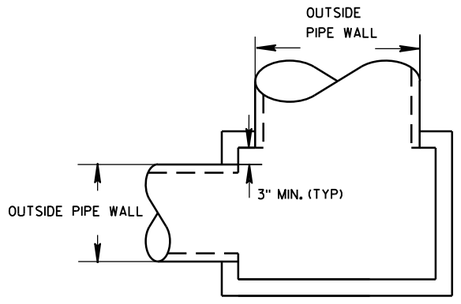
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



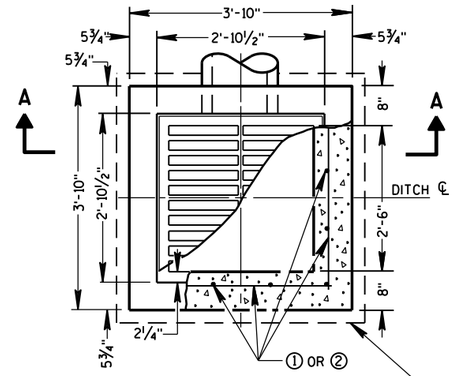
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

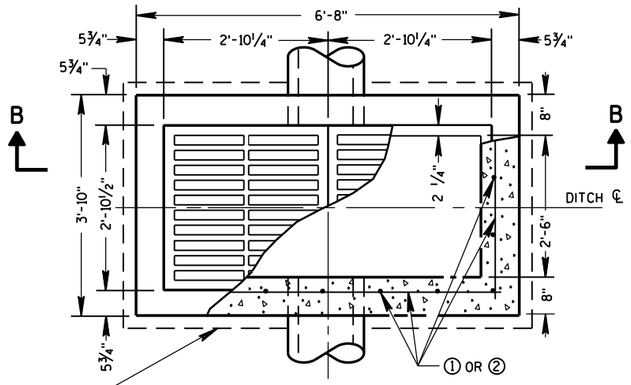
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DEPARTMENT OF TRANSPORTATION

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Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

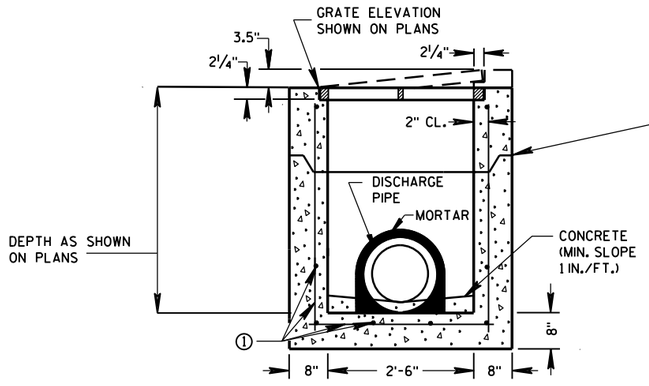


PLAN VIEW

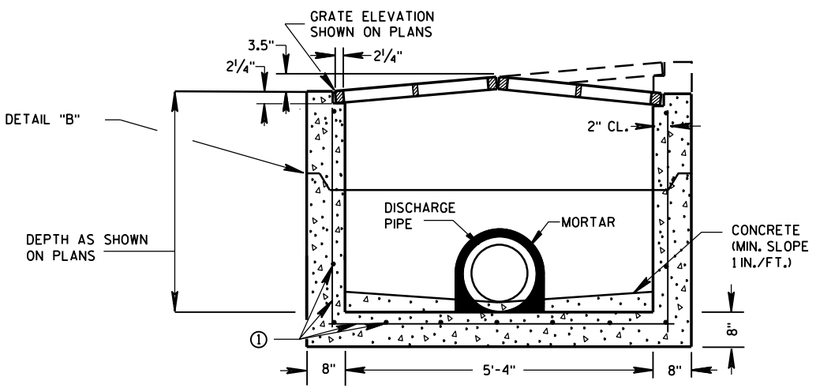


PLAN VIEW

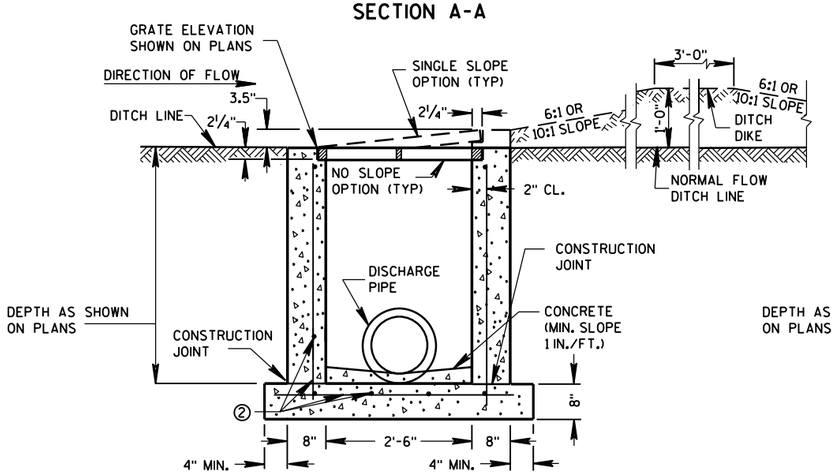
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



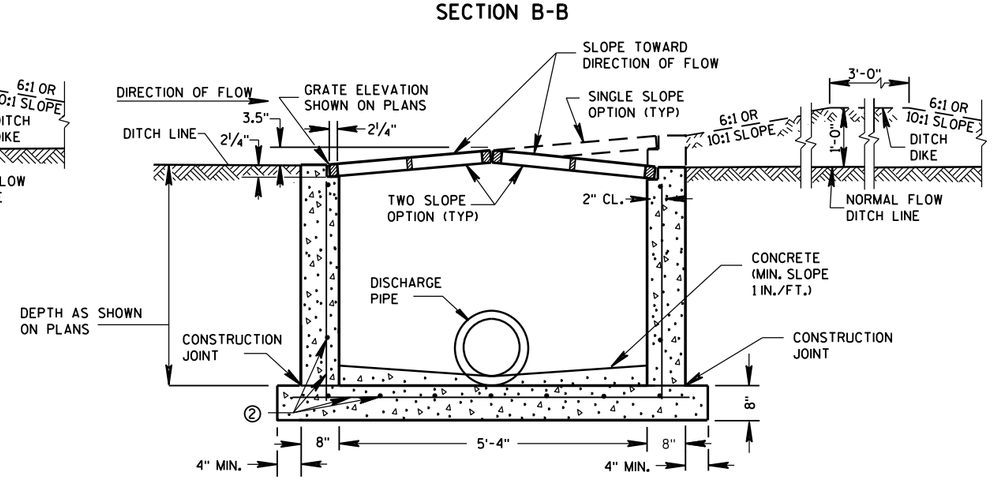
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

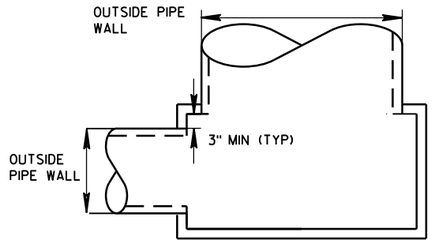
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

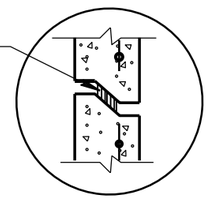
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

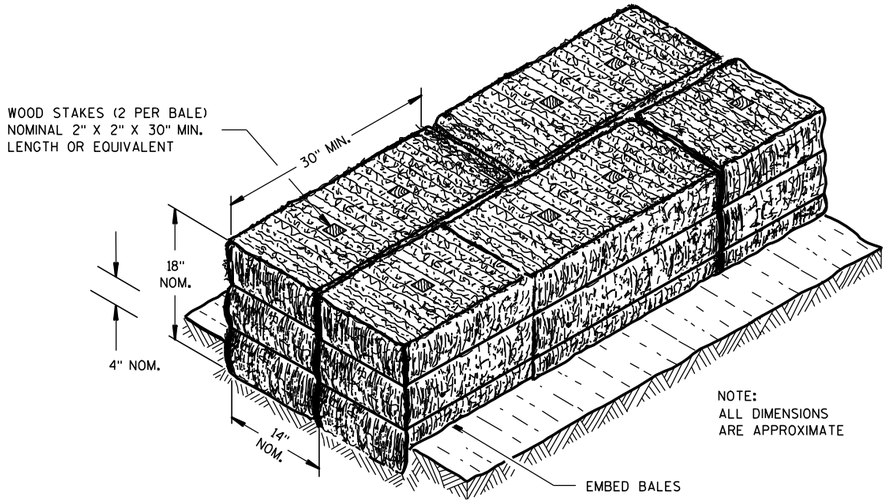
INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

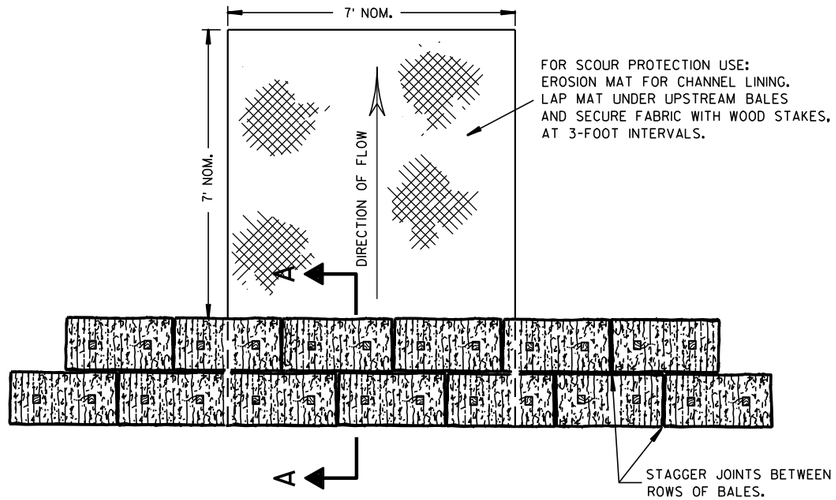
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

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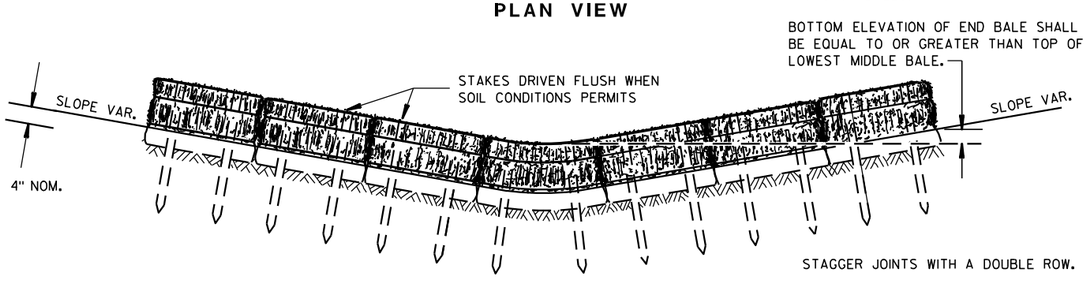
S.D.D. 8 C 8-2



SECTION A-A



PLAN VIEW



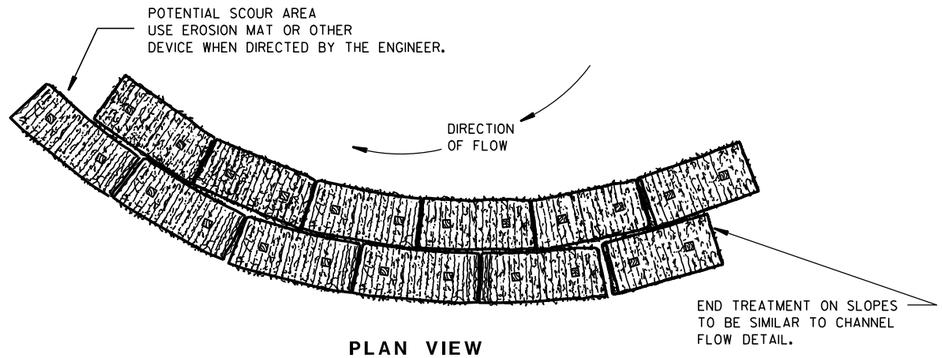
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

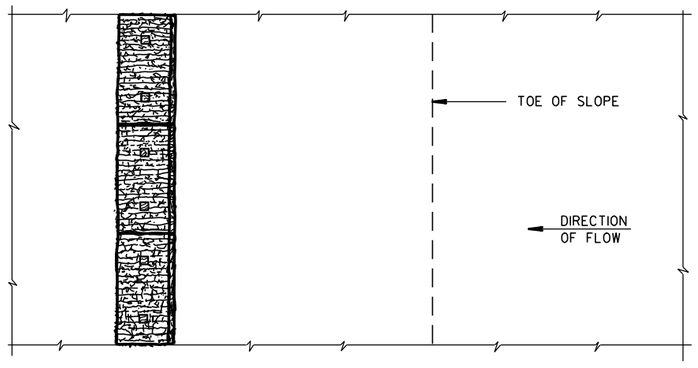
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

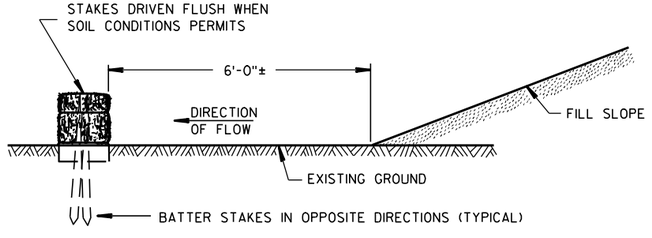


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

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DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE — /S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

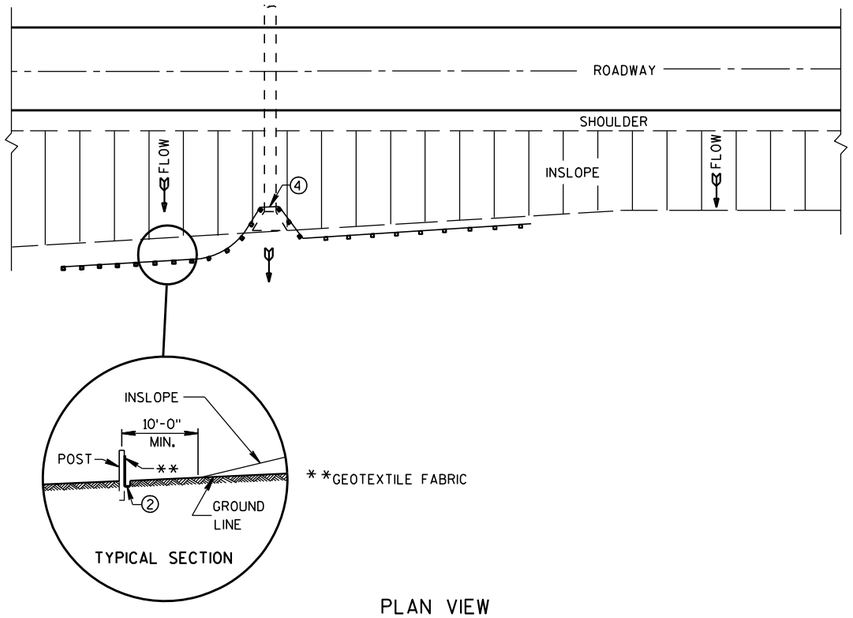
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S.D.D. 8 E 8-3

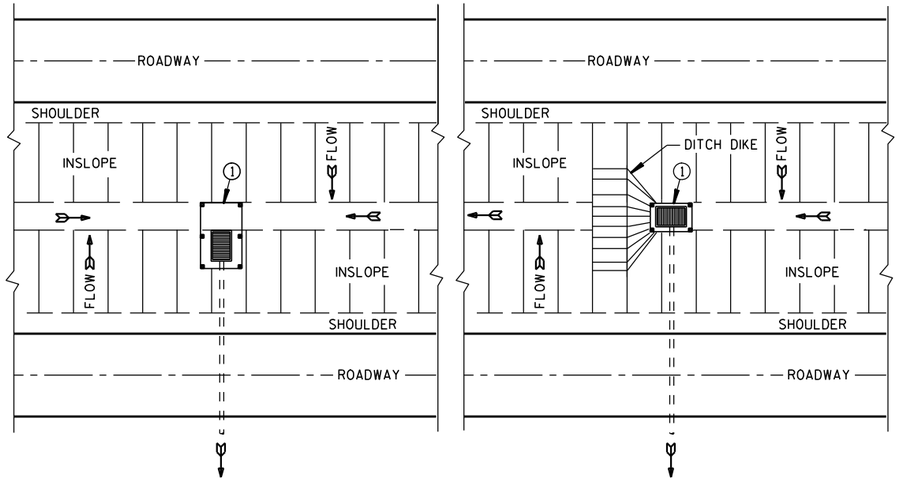
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



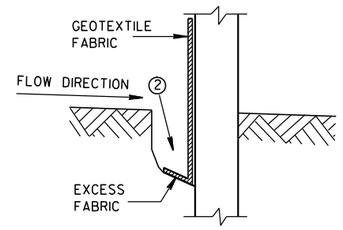
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

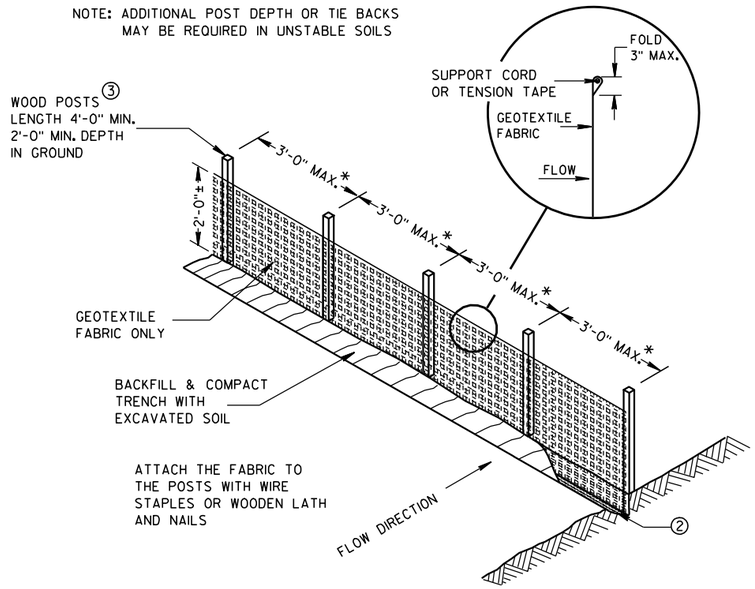
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

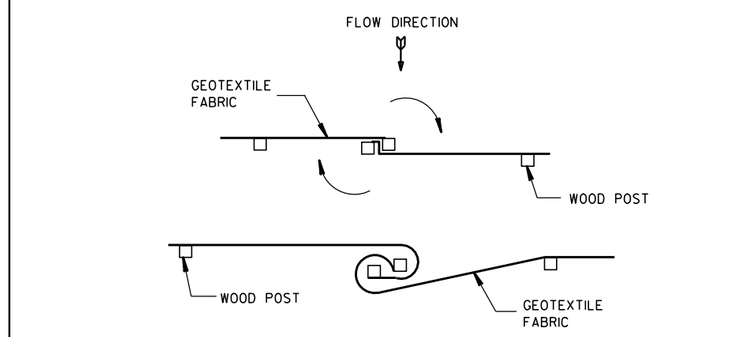


TRENCH DETAIL

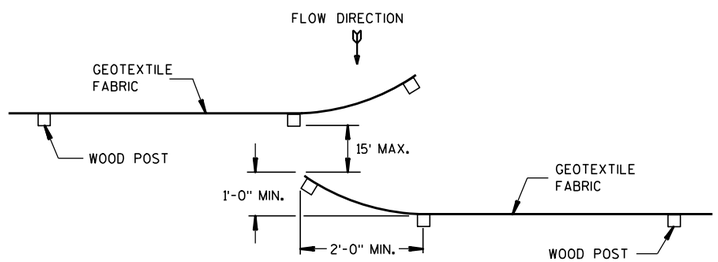


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

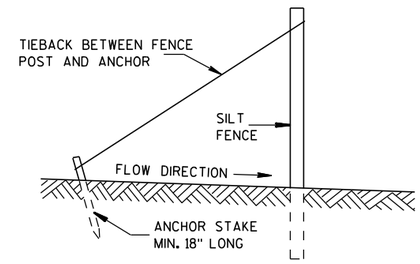


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

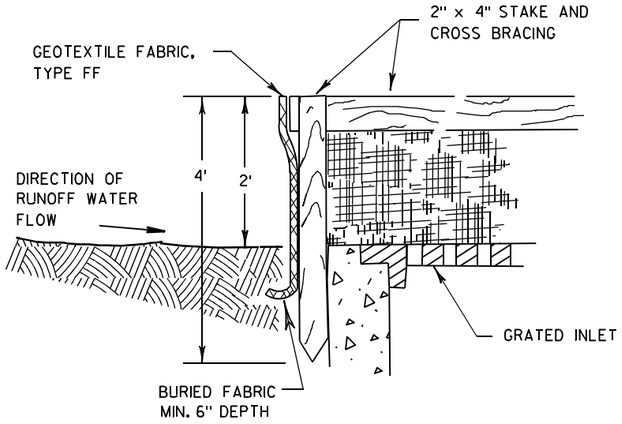
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

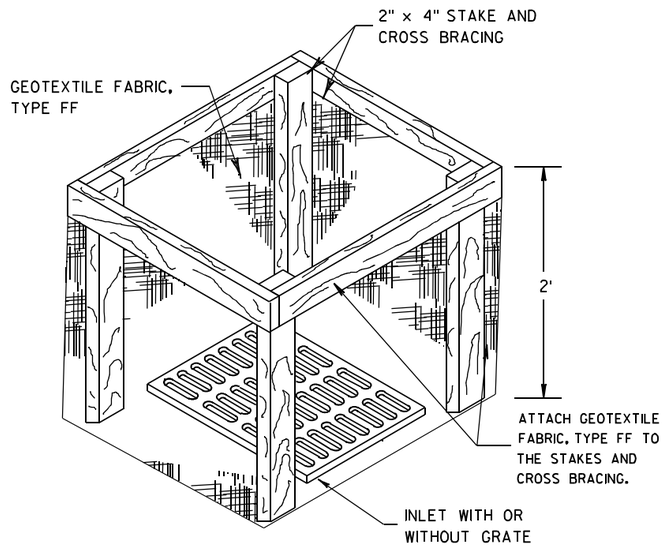
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S.D.D. 8 E 9-6

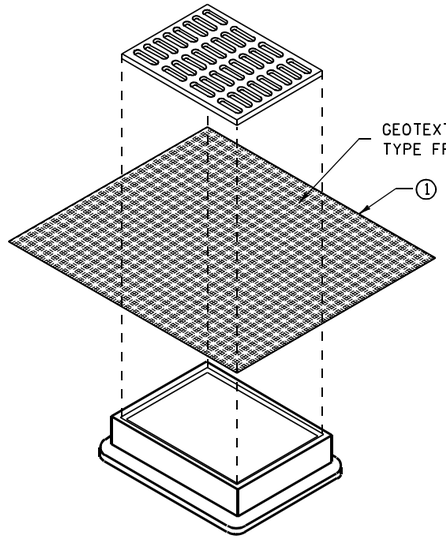
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S.D.D. 8 E 9-6



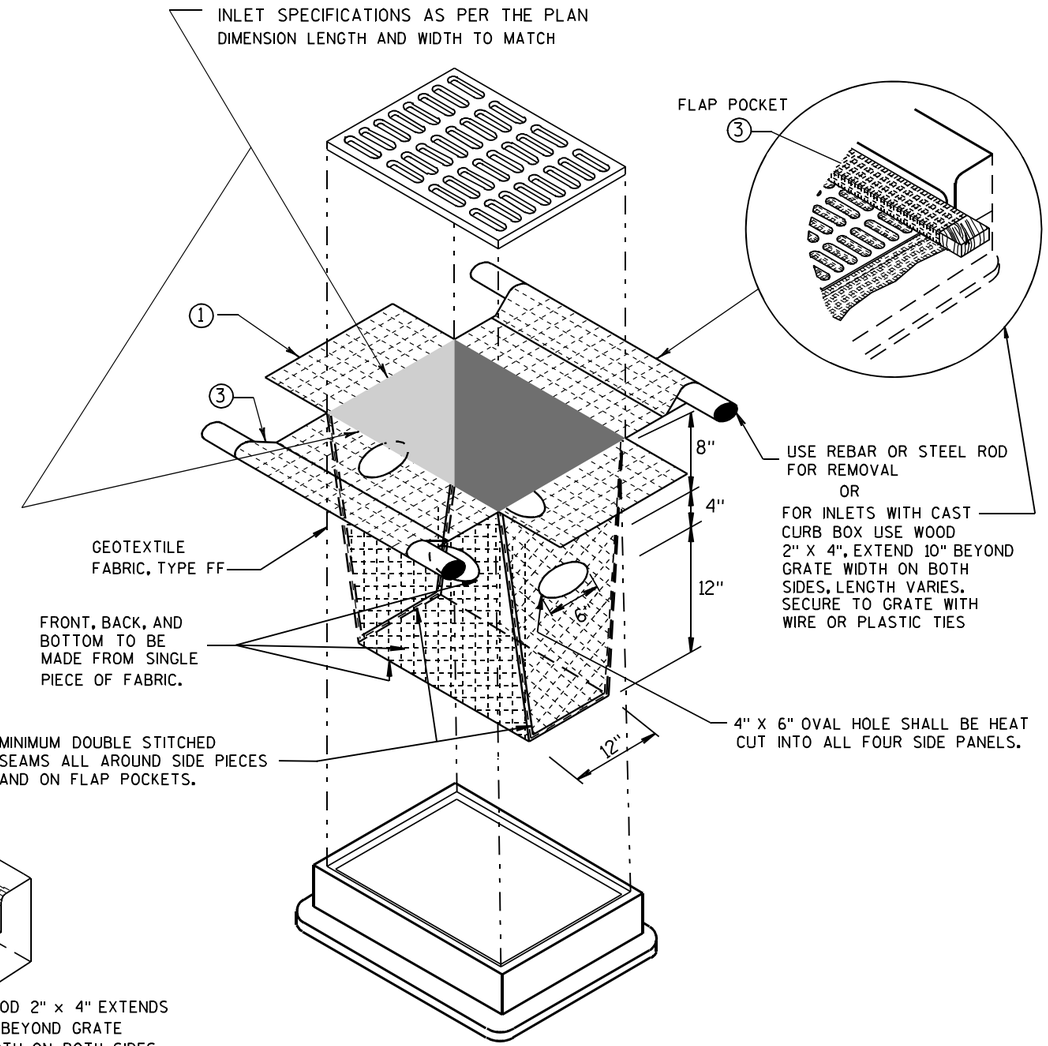


INLET PROTECTION, TYPE A



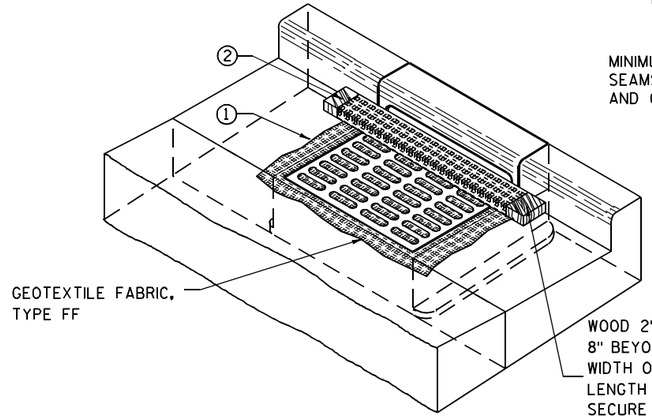
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

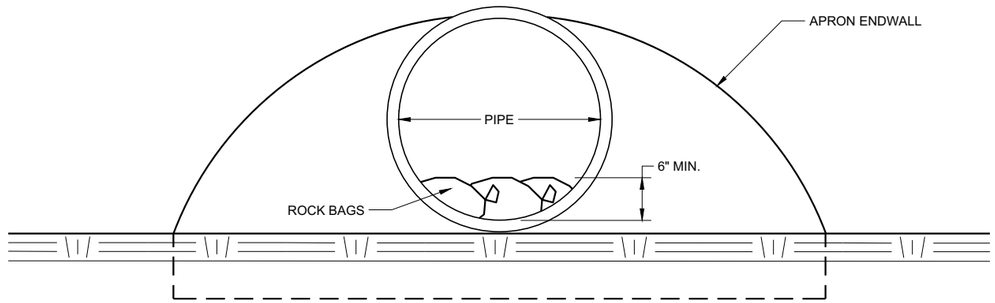
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

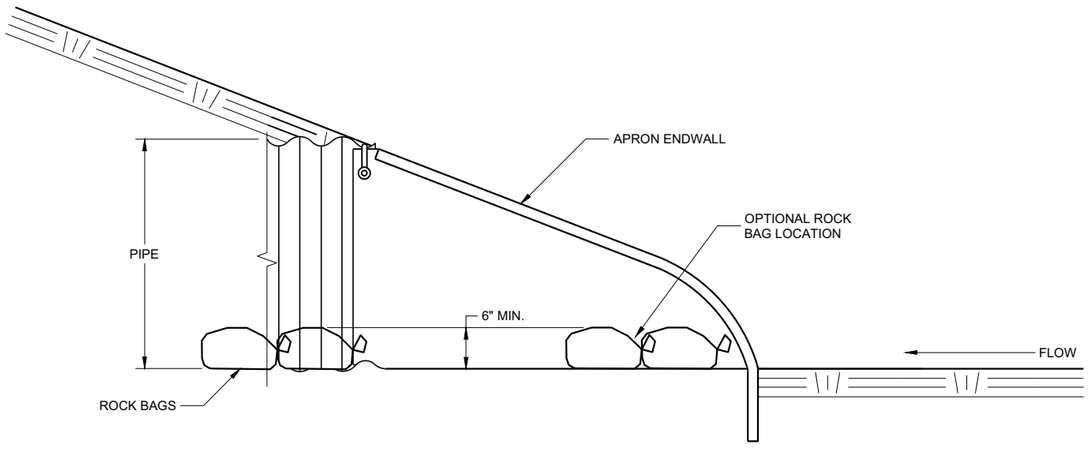
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

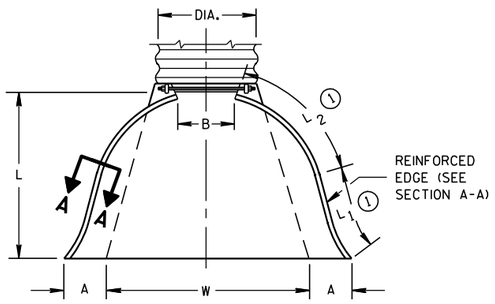
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

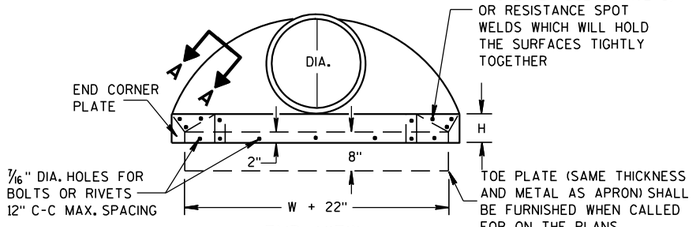
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

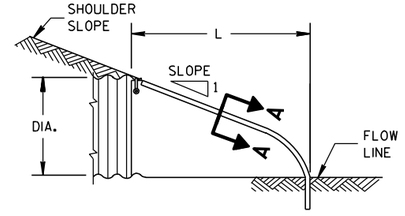
*MINIMUM
**MAXIMUM



PLAN VIEW

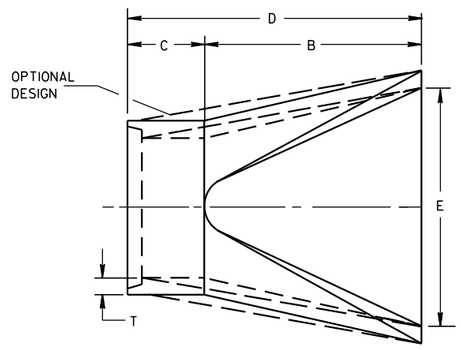


END VIEW

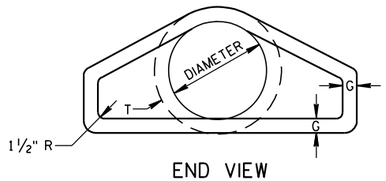


SIDE ELEVATION

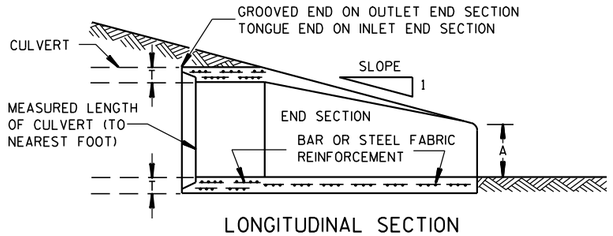
METAL ENDWALLS



PLAN

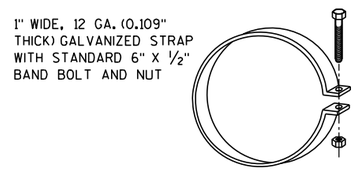


END VIEW



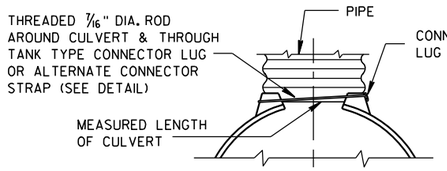
LONGITUDINAL SECTION

CONCRETE ENDWALLS

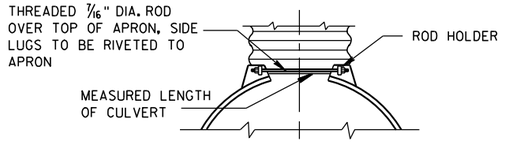


ALTERNATE FOR TYPE 1 CONNECTION

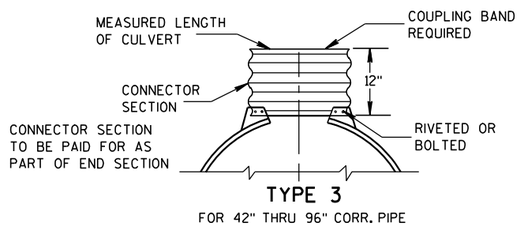
END SECTION CONNECTOR STRAP



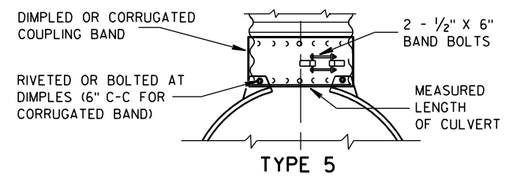
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

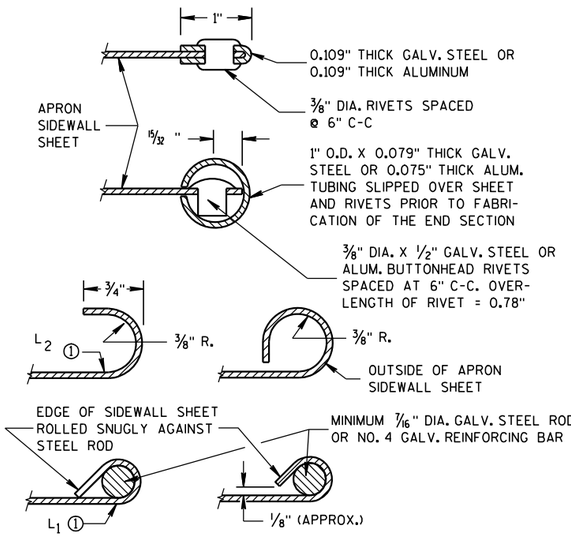
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 125 NEER
FHWA

6
S.D.D. 8 F 1-11

EARTHWORK-CTH CE EB LOONHEAD

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
130+66.40	12.27	0.83	14.15	0	0	0	0	0	0
131+00	13.51	0.83	78.09	16	1	57	16	74	-59
131+50	12.43	0.83	83.71	24	2	150	40	269	-232
132+00	12.90	0.83	55.12	23	2	129	63	437	-379
132+50	13.23	0.83	18.86	24	2	68	87	525	-445
132+55	13.23	0.83	18.86	2	0	4	89	530	-448
				89	7	408			

EARTHWORK-CTH CE MAINLINE

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
130+60	49.29	10.00	0.00	0	0	0	0	0	0
130+66.40	49.26	10.00	0.00	12	2	0	12	0	10
131+00	47.83	10.00	0.00	60	12	0	72	0	58
131+50	50.62	10.00	0.00	91	19	0	163	0	130
132+00	50.03	10.00	0.00	93	19	0	256	0	204
132+50	47.03	10.00	0.00	90	19	0	346	0	275
133+00	43.82	10.00	0.00	84	19	0	430	0	340
133+50	44.42	10.00	0.00	82	19	0	512	0	403
134+00	45.46	10.00	0.00	83	19	0	595	0	467
134+50	46.37	10.00	0.00	85	19	0	680	0	533
135+00	46.78	10.00	0.00	86	19	0	766	0	600
135+50	46.74	10.00	0.00	87	19	0	853	0	668
136+00	46.31	10.00	0.00	86	19	0	939	0	735
136+50	46.04	10.00	0.00	86	19	0	1,025	0	802
137+00	46.25	10.00	0.00	85	19	0	1,110	0	868
137+50	46.39	10.00	0.00	86	19	0	1,196	0	935
138+00	58.95	10.00	0.00	98	19	0	1,294	0	1,014
138+50	137.54	10.00	0.00	182	19	0	1,476	0	1,177
139+00	113.15	10.00	0.00	232	19	0	1,708	0	1,390
139+50	61.19	10.00	36.12	161	19	33	1,869	43	1,489
140+00	45.57	10.00	0.00	99	19	33	1,968	86	1,526
140+50	45.15	10.00	0.00	84	19	0	2,052	86	1,591
141+00	44.87	10.00	0.00	83	19	0	2,135	86	1,655
141+50	86.45	13.33	0.00	122	22	0	2,257	86	1,755
142+00	80.09	13.33	15.05	154	25	14	2,411	104	1,866
142+50	78.97	13.33	8.13	147	25	21	2,558	131	1,961
143+00	79.49	13.33	1.82	147	25	9	2,705	143	2,071
143+50	77.82	13.33	1.20	146	25	3	2,851	147	2,188
144+00	77.02	13.33	11.35	143	25	12	2,994	163	2,291
144+50	49.34	10.00	0.00	117	22	11	3,111	177	2,371
145+00	49.71	10.00	0.00	92	19	0	3,203	177	2,444
145+50	50.17	10.00	0.00	92	19	0	3,295	177	2,517
146+00	48.17	10.00	0.00	91	19	0	3,386	177	2,589
146+50	49.10	10.00	0.00	90	19	0	3,476	177	2,660
147+00	49.05	10.00	0.00	91	19	0	3,567	177	2,732
147+50	49.30	10.00	0.00	91	19	0	3,658	177	2,804
148+00	48.62	10.00	0.00	91	19	0	3,749	177	2,876
148+50	49.94	10.00	0.00	91	19	0	3,840	177	2,948
149+00	48.40	10.00	0.00	90	18	0	3,930	177	3,020
				3,930	733	136			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
8 - Mass Ordinate	Cut - Unusable Pavement - (Fill * Fill Factor)

EARTHWORK-RAILROAD STREET

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
7+67.5	87.64	15.42	12.74	0	0	0	0	0	0
7+75	89.90	15.42	17.16	25	4	4	25	5	16
8+00	103.55	15.42	17.91	90	14	16	115	26	71
8+25	75.84	15.42	44.16	83	14	29	198	64	102
8+50	76.18	15.42	61.92	70	14	49	268	127	95
8+75	104.40	17.50	64.57	84	15	59	352	204	87
9+00	86.96	20.00	45.53	89	17	51	441	270	93
10+50	87.59	20.00	17.88	0	0	0	441	270	93
10+75	58.73	10.00	14.15	68	14	15	509	290	127
11+00	56.35	7.50	4.72	53	8	9	562	302	160
11+25	47.44	7.50	0.71	48	7	3	610	306	198
11+50	40.20	7.50	0.00	41	7	0	651	306	232
1152.75	40.28	7.50	0.07	4	1	0	655	306	235
				655	115	235			

EARTHWORK - TRAIL

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
146+54.5	4.39	2.50	0.81	0	0	0	0	0	0
147+00	4.39	2.50	0.81	7	4	1	7	1	2
147+50	5.39	2.50	0.81	9	5	1	16	3	4
148+00	6.99	2.50	0.55	11	5	1	27	4	9
148+50	9.50	2.50	1.41	15	5	2	42	7	17
149+00	7.78	2.50	0.68	16	5	2	58	9	25
149+50	7.44	2.50	0.00	14	5	1	72	10	33
150+00	7.32	2.50	0.00	14	5	0	86	10	42
				86	34	8			

EARTHWORK-CTH CE WB LOONHEAD

STATION	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT	UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
				NOTE 1	NOTE 2	NOTE 3	NOTE 1		NOTE 8
146+91.25	37.94	3.33	1.39	0	0	0	0	0	0
147+00	37.94	3.33	1.39	12	1	0	12	0	11
147+50	37.15	3.33	5.57	70	6	6	82	8	67
148+00	35.50	3.33	18.73	67	6	23	149	38	98
148+50	32.88	3.33	30.27	63	6	45	212	96	97
149+00	26.73	3.33	8.38	55	6	36	267	143	99
				267	25	110			

Notes:	
1 - Cut	Cut includes Salvaged/Unusable Pavement material
2 - Unusable Pavement Material	This does not show up in cross sections
3 - Fill	Does not include Unusable Pavement Exc volume
8 - Mass Ordinate	Cut - Unusable Pavement - (Fill * Fill Factor)

GRE Feb 14, 2023

PROJECT ID: 4677-10-71

WITH: N/A

COUNTY: OUTAGAMIE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
~~Section No.~~	~~4~~	~~Right of Way Plat~~
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 172



30

N

DESIGN DESIGNATION		CTH OO	FRENCH RD
A.A.D.T.	(2023) =	18,300	6,800
A.A.D.T.	(2043) =	22,800	9,700
D.H.V.	=	1,830	680
D.D.	=	50/50	50/50
T	=	6.0	4.0
DESIGN SPEED	=	50 MPH	50 MPH
ESALS	=	2,600,000	840,000

CONVENTIONAL SYMBOLS

COUNTY LINE
CORPORATE LIMITS
PROPERTY LINE
LIMITED EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE
FENCE
GUARD RAIL
SLOPE INTERCEPT
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such) — ROCK
MARSH AREA
WOODED OR SHRUB AREA
STREAM OR WATER EDGE
BUSH
PINE TREE (SIZE)
TREE (SIZE)
TRAFFIC SIGNAL CONTROL CABINET
TRAFFIC SIGNAL
TRAFFIC SIGNAL MAST-ARM
TRAFFIC SIGNAL WITH LIGHT
EXISTING PULL BOX
BOLLARD

COMBUSTIBLE FLUIDS
UNDERGROUND UTILITIES
GAS (SIZE) G
SANITARY SEWER (SIZE) SAN
STORM SEWER (SIZE) SS
WATER (SIZE) W
ELECTRIC E
TELEPHONE T
FIBER OPTIC FO
CABLE TELEVISION TV
FORCE MAIN FM
MANHOLE MH
UTILITY PEDESTAL
FIBER OPTIC HAND HOLE HH
POWER POLE
TELEPHONE POLE
RAILROAD
HYDRANT
LIGHT POLE
RAILROAD SIGNAL
SIGN
TRANSMISSION TOWER
VALVE (TYPE)
CURB STOP CS
EXISTING CULVERT (SIZE, TYPE)
PROPOSED CULVERT (Box or Pipe)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

T GRAND CHUTE - V LITTLE CHUTE

FRENCH ROAD INTERSECTION

CTH OO

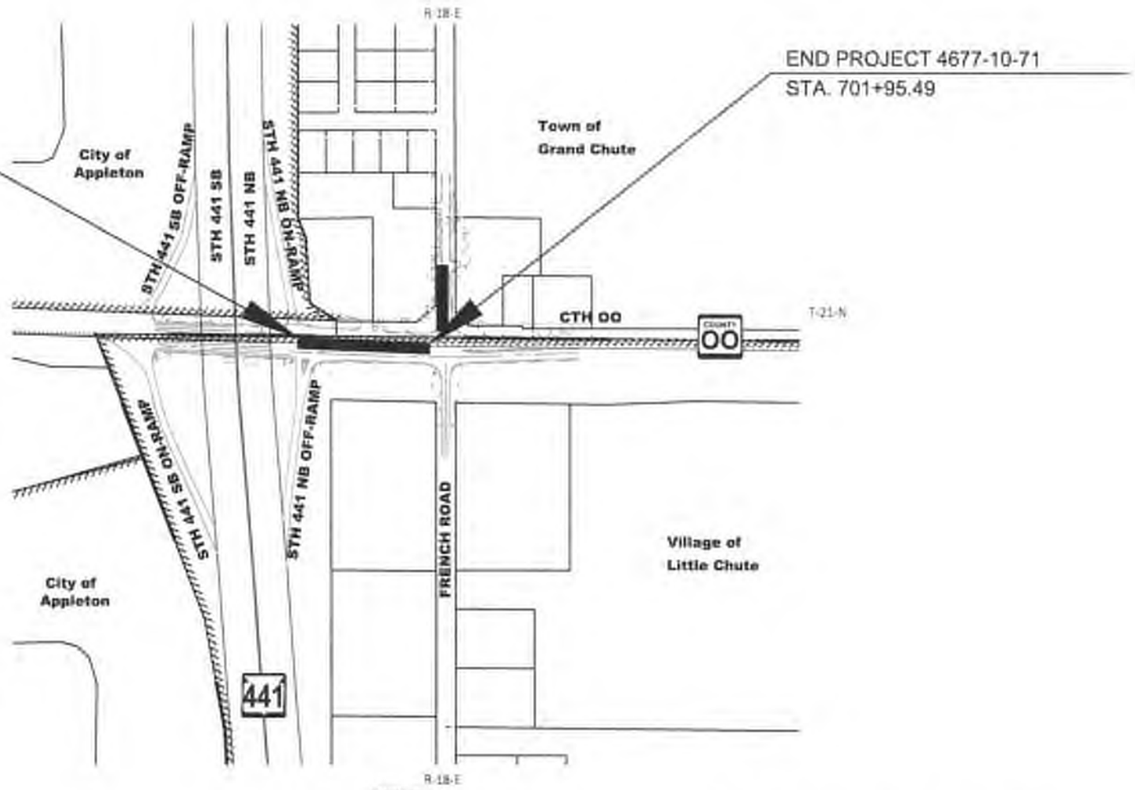
OUTAGAMIE COUNTY

STATE PROJECT NUMBER
4677-10-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4677-10-71	WISC 2023232	1

BEGIN PROJECT 4677-10-71
STA. 697+41.72
Y = 571,490.36
X = 840,901.28

END PROJECT 4677-10-71
STA. 701+95.49



LAYOUT

SCALE 0 500 FT

TOTAL NET LENGTH OF CENTERLINE = 0.130 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), OUTAGAMIE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GEOID 12A IN US SURVEY FOOT

ACCEPTED FOR
COUNTY OF OUTAGAMIE
10/25/2022 (Date)
(Signature & Title of County)

ORIGINAL PLANS PREPARED BY
raSmith
CREATIVITY BEYOND ENGINEERING
rasmith.com



10/31/2022 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor: (Name)
Designer: (Name)
Project Manager: LODI JAKOSINSKI
Regional Examiner:
Regional Supervisor: BRIAN EDWARDS

APPROVED FOR THE DEPARTMENT
DATE: 10/25/2022 (Signature)

E

FILE NAME : T:\321\0023\CIVIL\30\4677-10-71\SHEETS\PLAN\230301-TI.DWG PLOT DATE : 10/31/2022 8:37 AM PLOT BY : GUILLAMA, TINA PLOT NAME :

UTILITIES

COMMUNICATION LINE

APPLETON AREA METRO FIBER OPTIC NETWORK
MR. JEFF ZEINERT
1345 NORTH ROAD, SUITE B
GREEN BAY, WI 54313
(920) 655-5135
JZEINERT@MI-TECH.US

COMMUNICATION LINE

AT&T
MR. KYLE WEBER
221 W. WASHINGTON STREET
APPLETON, WI 54911
(920) 221-5969
KW715W@ATT.COM

COMMUNICATION LINE

CHARTER COMMUNICATIONS
MR. VINCE ALBIN
3520 E DESTINATION DRIVE
APPLETON, WI 54915
(920) 831-9249
VINCE.ALBIN@CHARTER.COM

SEWER

HEART OF THE VALLEY METRO SEWERAGE DISTRICT
MR. KEVIN SKOGMAN
801 THILMANY ROAD
KAUKAUNA, WI 54130
(920) 766-5731
KEVIN.SKOGMAN@HVMSD.ORG

ELECTRICITY

WE ENERGIES - ELECTRIC
MR. ZACH DUGA
800 S LYNNDALE DRIVE
PO BOX 1699
APPLETON, WI 54914
(920) 380-3458
ZACHARY.DUGA@WE-ENERGIES.COM

GAS

WE ENERGIES - GAS
MS. HEATHER DEUTH
800 S LYNNDALE DRIVE
PO BOX 1699
APPLETON, WI 54914
(920) 242-5633
HEATHER.DEUTH@WE-ENERGIES.COM

TRAFFIC SIGNALS (STH 441 RAMP)

WISDOT TRAFFIC SIGNALS
MR. RANDY ASMAN
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 360-3107
RANDY.ASMAN@DOT.WI.GOV

TRAFFIC SIGNALS (FRENCH ROAD)

COUNTY SIGNALS
MR. JOE ZELLMER
1313 HOLLAND ROAD
APPLETON, WI 54911
(920) 832-5673
JOSEPH.ZELLMER@OUTAGAMIE.ORG

DESIGN CONSULTANT

raSmith
MR. JOHN BRUGGEMAN
16745 W BLUEMOUND ROAD
BROOKFIELD, WI 53005-5938
(262) 781-1000
JOHN.BRUGGEMAN@RASMITH.COM

WDNR LIAISON

DNR NORTHEAST REGIONAL HQ
MR. MATTHEW SCHAEVE
2984 SHAWANO AVE
GREEN BAY, WI 54313
(920) 366-1544
MATTHEW.SCHAEVE@WISCONSIN.GOV

PROJECT CONTACTS

WISDOT PROJECT MANAGER
MS. JODI JAROSINSKI
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 492-4129
JODI.JAROSINSKI@DOT.WI.GOV

PROJECT CONTACTS

OUTAGAMIE COUNTY HIGHWAY DEPARTMENT
MR. JOE ZELLMER, HIGHWAY ENGINEER
1313 HOLLAND ROAD
APPLETON, WI 54911-8947
(920) 209-9807
JOSEPH.ZELLMER@OUTAGAMIE.ORG

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVEMENT GRADES
STORM SEWER & EROSION CONTROL
TRAFFIC SIGNALS
PAVEMENT MARKING & SIGNING
TRAFFIC CONTROL

GENERAL NOTES

1. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
2. THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.
3. A SAWED JOINT IS REQUIRED WHERE INDICATED IN THE PLANS.
4. EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.
5. FOR SOIL BORING AND GEOTECHNICAL REPORT INFORMATION, CONTACT JODI JAROSINSKI AT (920) 492-4129.
6. ALL CURB & GUTTER STATIONS, OFFSETS, AND RADII ARE GIVEN TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 3.55 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.49 ACRES

BORING LOG SUMMARY
(APPROXIMATE LOCATIONS)

BORING NUMBER	STATION	OFFSET
B-1	698+76	16' LT
B-2	701+21	71' LT
B-3	701+95	123' LT
B-4	703+78	60' LT
B-5	702+12	65' RT

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

2

CITY OF APPLETON

TOWN OF GRAND CHUTE

TOWN OF GRAND CHUTE

STH 441 SB OFF-RAMP

STH 441 SB

STH 441 NB

STH 441 NB ON-RAMP

CTH OO

FRENCH ROAD

N

END CONSTRUCTION
STA. 594+92.22

SLOPE INTERCEPT

BEGIN CONSTRUCTION
STA. 592+58.17

693+00 694+00 695+00 696+00 697+00 698+00 699+00 700+00 701+00 702+00 703+00 704+00 705+00 706+00

598+00 597+00 596+00 595+00 594+00 593+00 592+00 591+00 590+00 589+00

B-1 B-2 B-3 B-4 B-5

R/W

POST

REMOVE MEDIAN OPENING

BEGIN PROJECT 4677-10-71
STA. 697+41.72
Y = 571,490.36
X = 840,901.28

EXISTING TRAFFIC SIGNAL

STH 441 SB ON-RAMP

STH 441 NB OFF-RAMP

EXISTING TWO-WAY STOP ON SIDE ROAD

PROPOSED TRAFFIC SIGNAL

END PROJECT 4677-10-71
STA. 701+95.49

VILLAGE OF LITTLE CHUTE

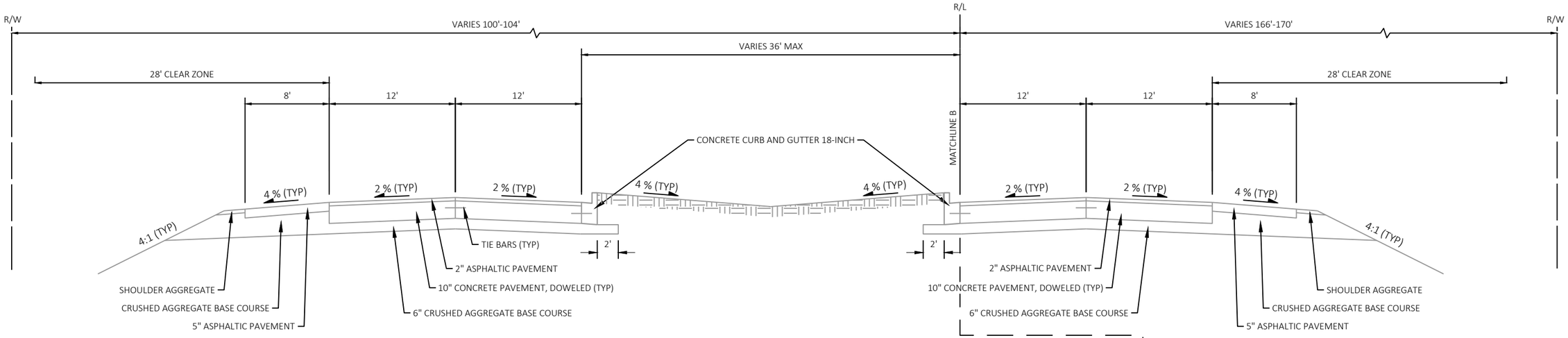
VILLAGE OF LITTLE CHUTE

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : T:\1210023\CIVIL3D\46771071\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - Plan 1 IN 100 FT

PLOT DATE : 11/1/2022 10:16 AM PLOT BY : GUILLAMA, TINA PLOT NAME : PLOT SCALE : 1 IN:100 FT

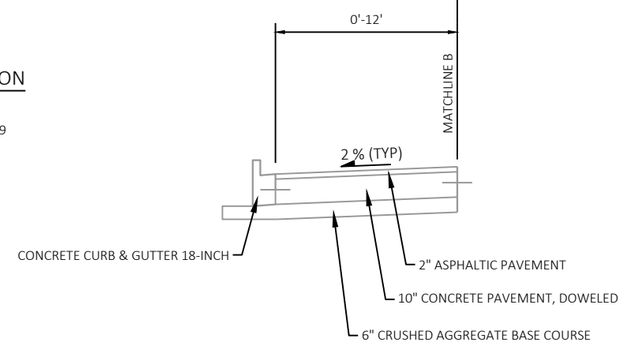
WISDOT/CADDS SHEET 42



EXISTING TYPICAL SECTION

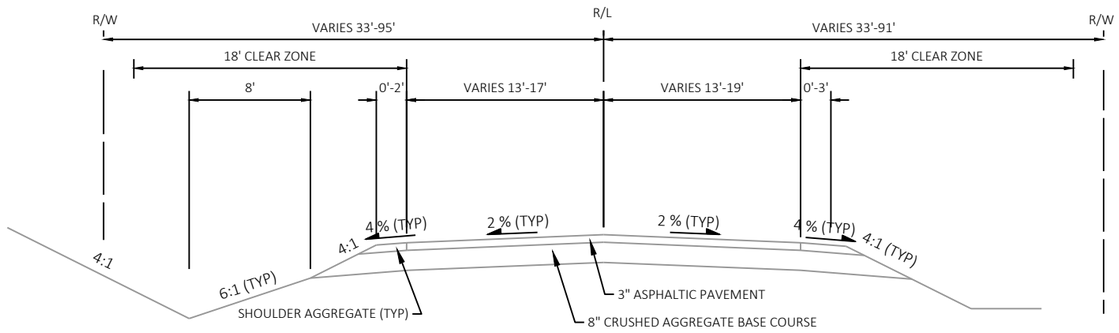
CTH OO

STA 697+41.72 TO STA 701+95.49



LEFT TURN LANE

STA 699+75 TO STA 701+95

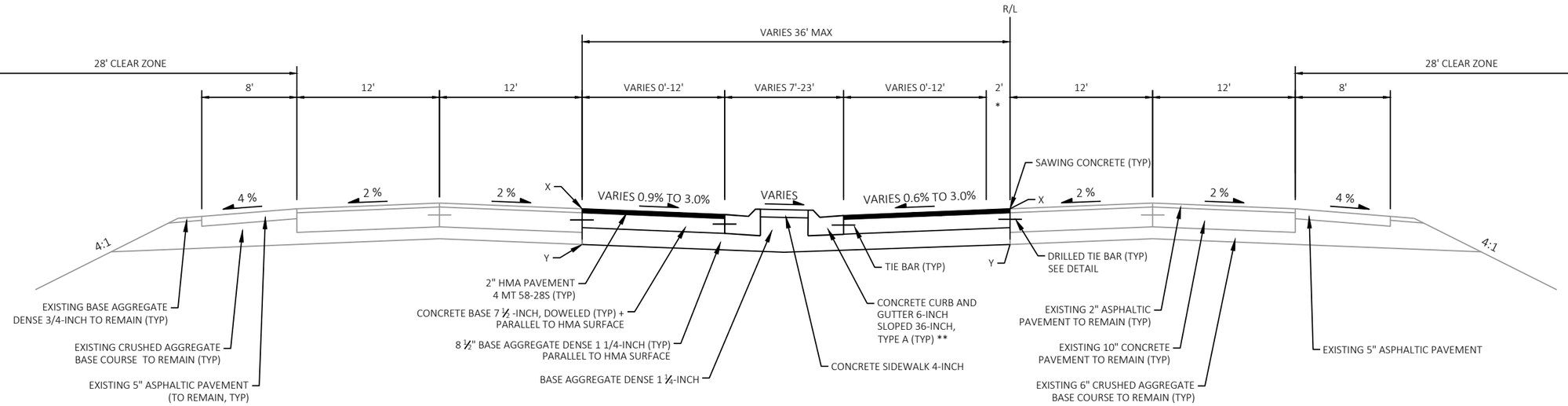


EXISTING TYPICAL SECTION

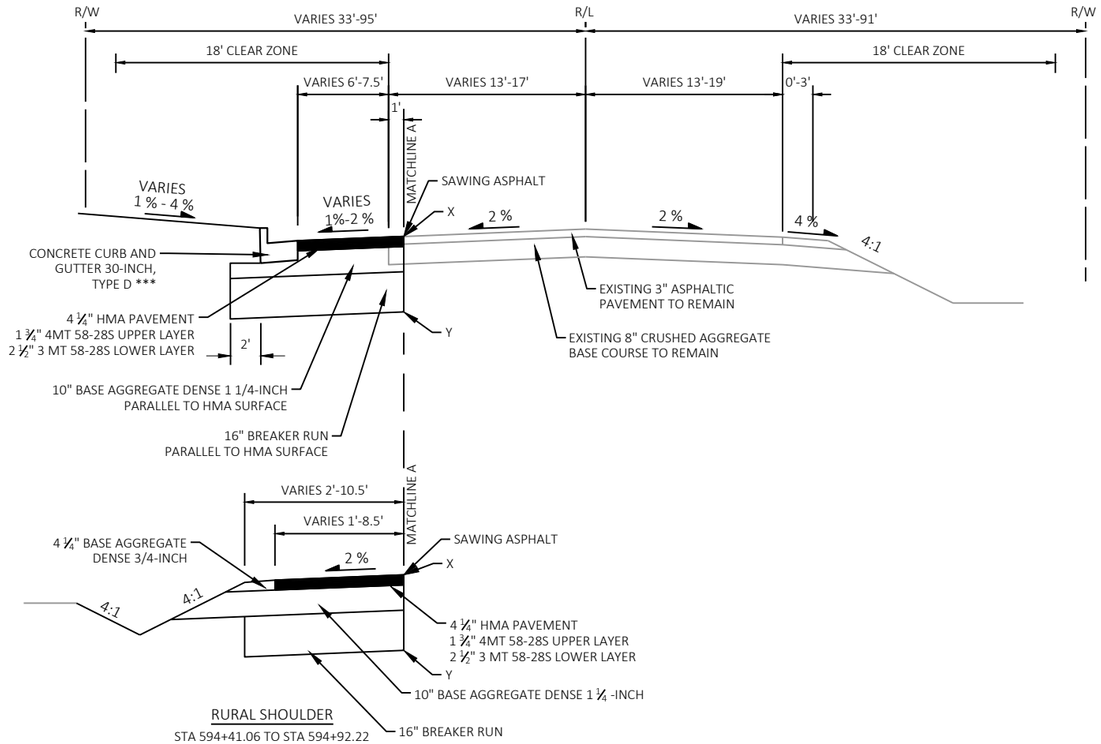
FRENCH ROAD

STA 592+58.17 TO STA 594+92.22

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 4	E



FINISHED TYPICAL SECTION
CTH OO
STA 697+41.72 TO STA 701+95.49



RURAL SHOULDER
STA 594+41.06 TO STA 594+92.22

FINISHED TYPICAL SECTION
FRENCH ROAD
STA 592+58.17 TO STA 594+92.22

* 2'-5' WIDE PAINTED SEPARATOR STA 699+19.39 TO STA 701+88.44

** CONSTRUCT BOTTOM OF CURB FLANGE AT SAME ELEVATION
AS BOTTOM OF CONCRETE BASE

*** CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A
ALONG CTH OO / FRENCH RD NW CORNER RADIUS

\+ CONCRETE PAVEMENT REPLACEMENT SHES STA 697+41.72 TO STA 697+65.32
PAVE FLUSH WITH TOP OF ADJACENT HMA PAVEMENT
2" REMOVING CONCRETE SURFACE PARTIAL DEPTH PRIOR TO PAVING 2" HMA

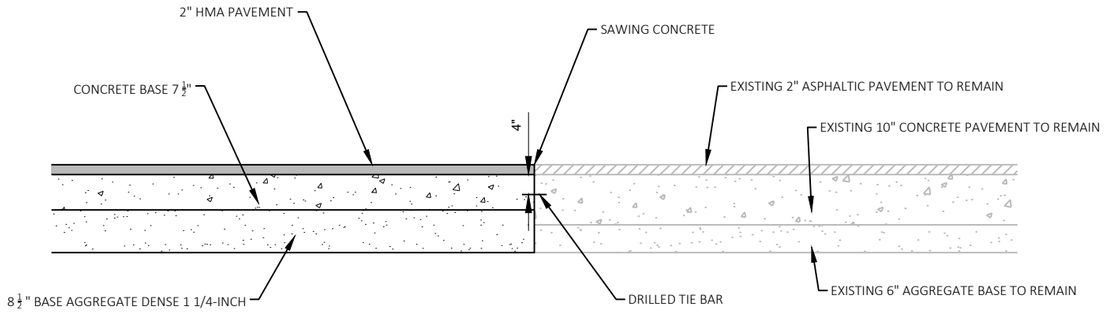
X = POINT REFERRED TO ON PLAN DETAILS

Y = POINT REFERRED TO ON CROSS SECTIONS

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	TYPICAL SECTIONS	SHEET 5	E

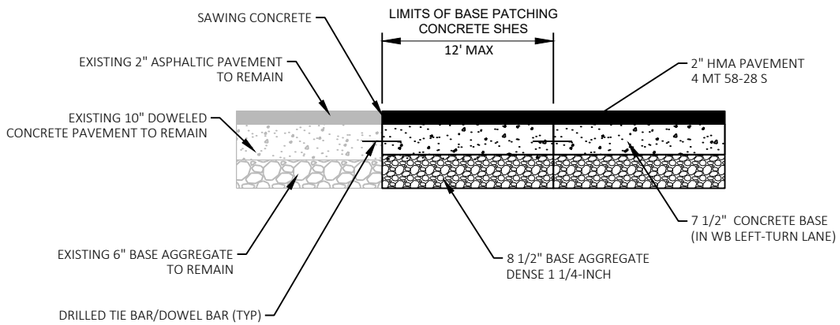
FILE NAME : T:\1210023\CIVIL3D\46771071\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 02-10ft
PLOT DATE : 10/20/2022 8:38 AM PLOT BY : GUILLAMA, TINA PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



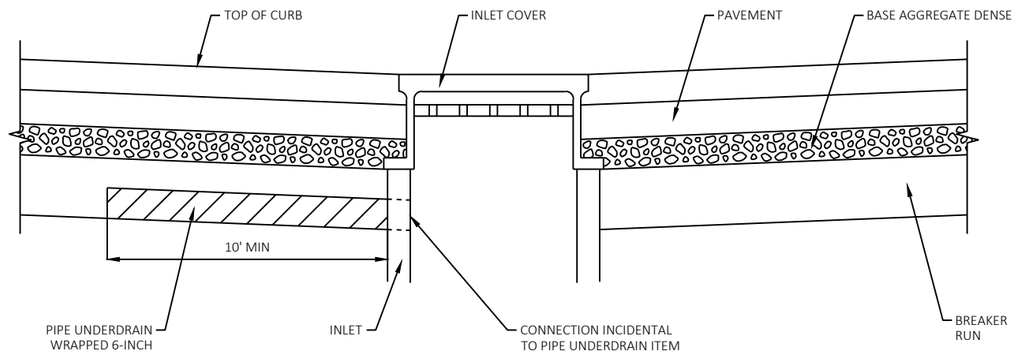
DRILLED TIE BAR EMBEDMENT DETAIL
CTH OO EB LEFT TURN LANE AND WB LOOK-AHEAD LANE

SEE SDD "CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES" FOR MORE INFORMATION



BASE PATCHING CONCRETE SHES
CTH OO

SEE PLAN DETAILS FOR LOCATIONS. SEE SDD "LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)" FOR ADDITIONAL INFORMATION.

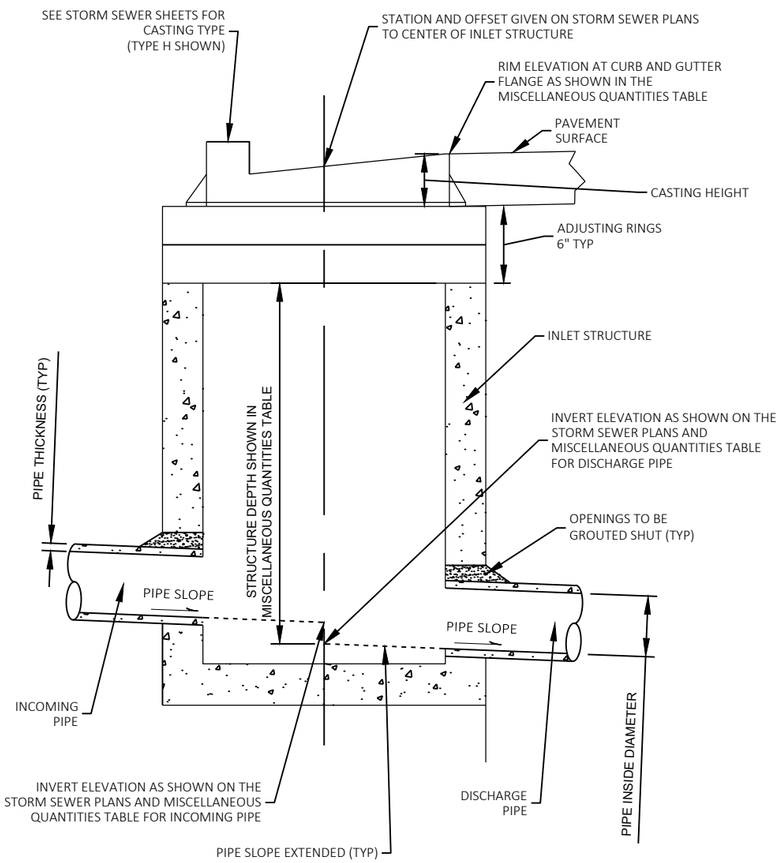


PIPE UNDERDRAIN DETAIL
AT STORM SEWER STRUCTURE 4A

2

NOTES:

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE REQUIREMENTS OF SDD FOR INLETS 2X2-FT, 2X2.5-FT, 2X3 FT, AND 2.5X3-FT, AND SDD FOR INLETS 3-FT AND 4-FT DIAMETER.



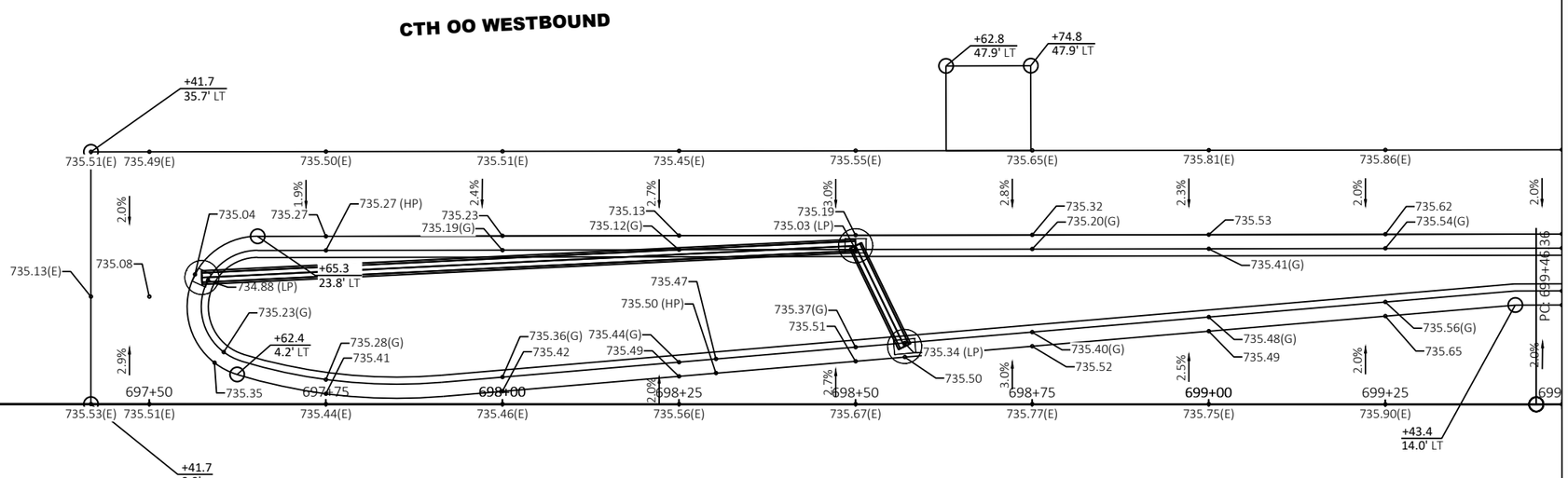
INLETS

INLETS 2X3-FT and 4-FT DIAMETER

STRUCTURE DEPTH DEFINITION

2

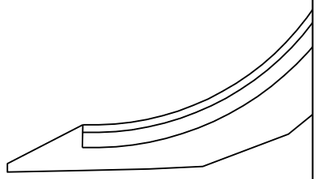
LEGEND	
XXX.XX	PAVEMENT ELEVATION
(LP)	LOW POINT
(HP)	HIGH POINT
(E)	EXISTING
(G)	GUTTER GRADE



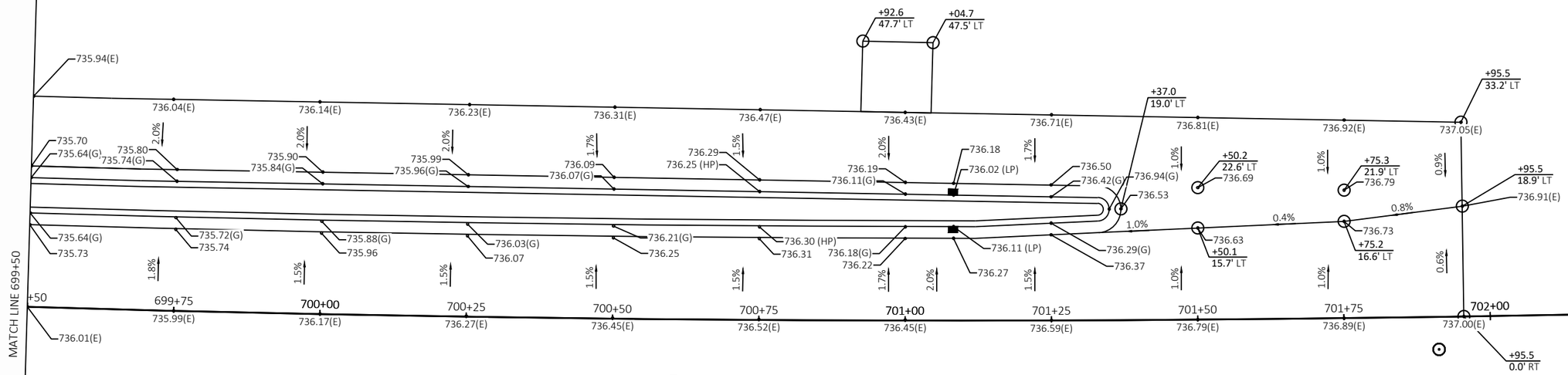
PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	PAVEMENT GRADES	SHEET 8	E

2

LEGEND	
XXX.XX	PAVEMENT ELEVATION
(LP)	LOW POINT
(HP)	HIGH POINT
(E)	EXISTING
(G)	GUTTER GRADE



CTH OO WESTBOUND



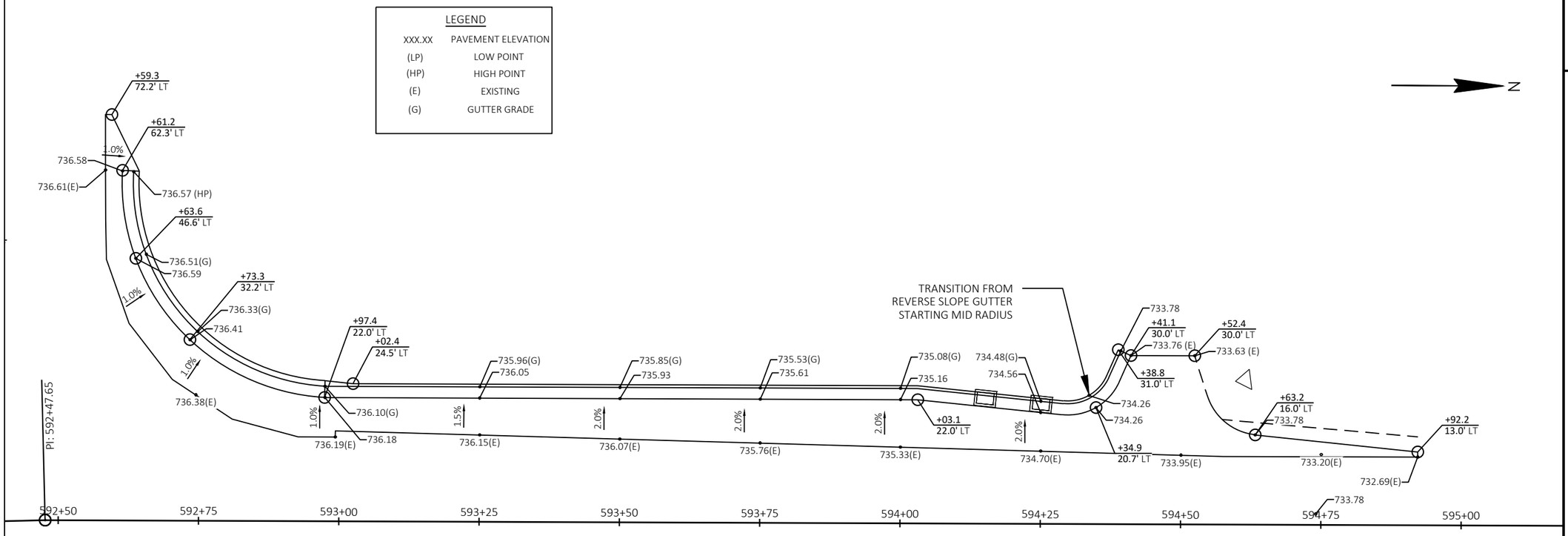
CTH OO EASTBOUND

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	PAVEMENT GRADES	SHEET 9	E

FILE NAME : T:\1210023\CIVIL3D\46771071\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 02

PLOT DATE : 10/20/2022 8:39 AM PLOT BY : GUILLAMA, TINA PLOT NAME : PLOT SCALE : 1 IN:20 FT

2



FRENCH RD

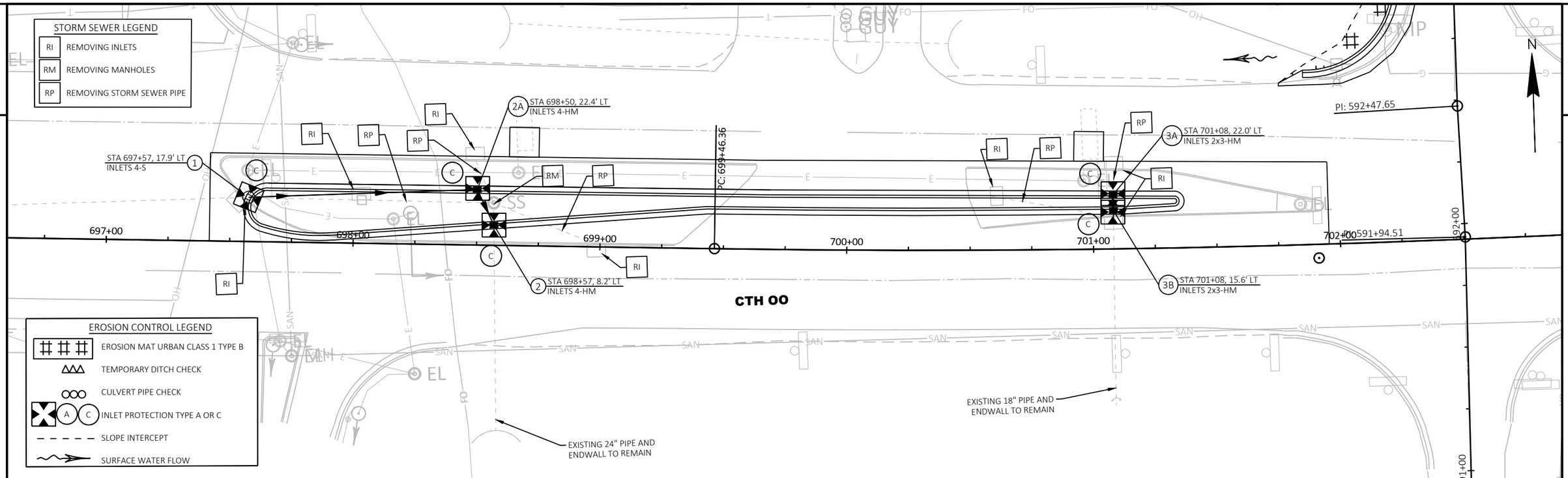
PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	PAVEMENT GRADES	SHEET 10	E

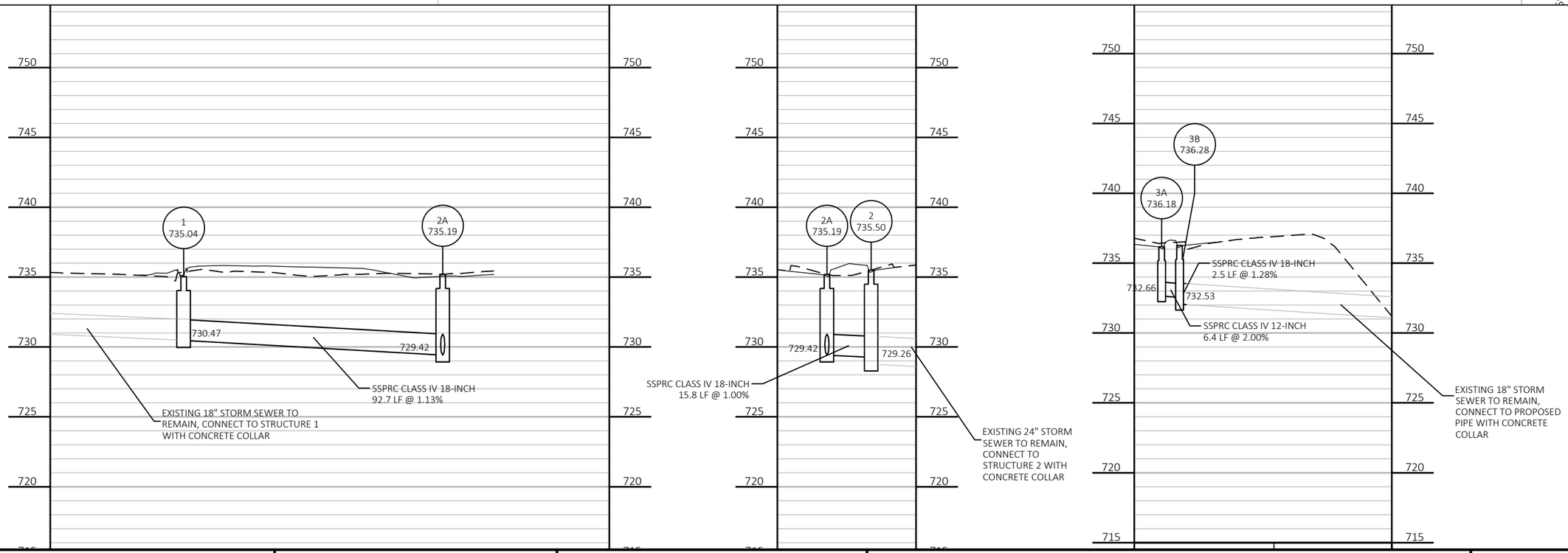
STORM SEWER LEGEND

RI	REMOVING INLETS
RM	REMOVING MANHOLES
RP	REMOVING STORM SEWER PIPE

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS 1 TYPE B
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- A C INLET PROTECTION TYPE A OR C
- SLOPE INTERCEPT
- SURFACE WATER FLOW



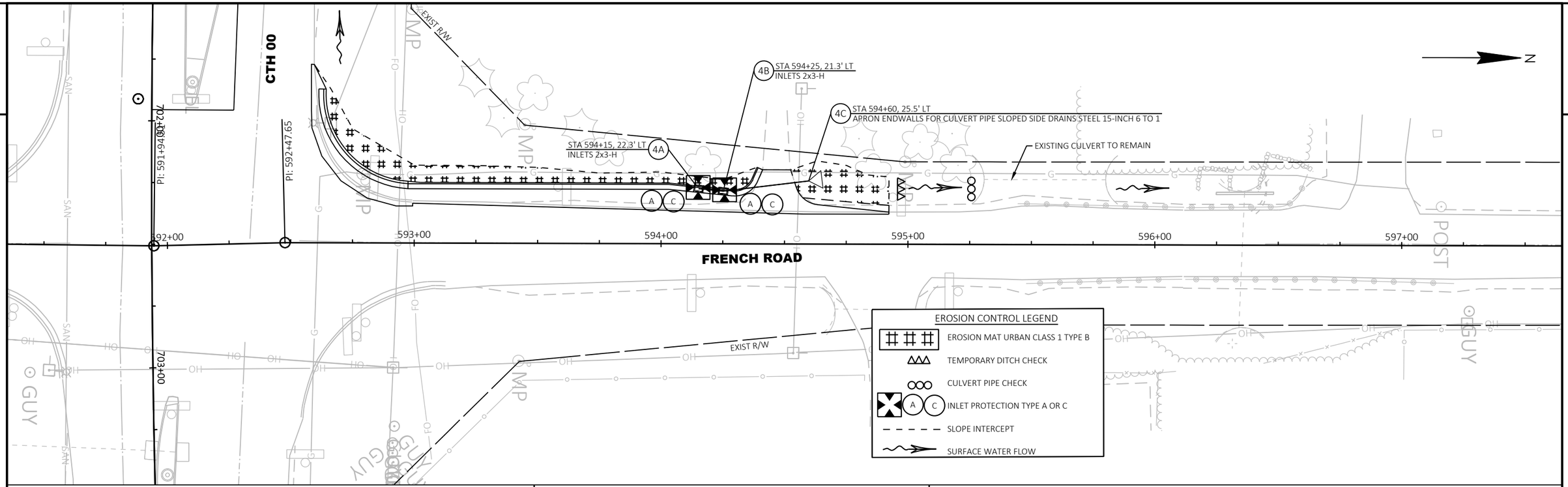


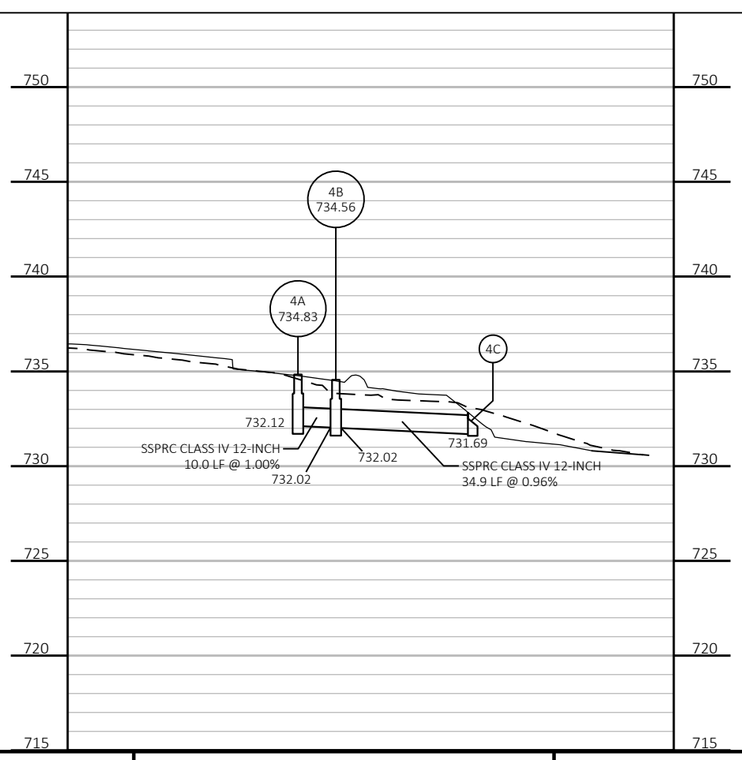
SHEET 1 OF 2

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	STORM SEWER AND EROSION CONTROL	SHEET 11	E

FILE NAME : T:\1210023\CIVIL3D\46771071\SHEETSPLAN\022501-SS_RESTORED.DWG
LAYOUT NAME - 01

PLOT DATE : 10/19/2022 4:35 PM PLOT BY : BUGARIN, JOSE PLOT NAME : PLOT SCALE : 1 IN:40 FT





SHEET 2 OF 2

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	STORM SEWER AND EROSION CONTROL	SHEET 12	E

FILE NAME : T:\1210023\CIVIL3D\46771071\SHEETSPLAN\022501-SS_RESTORED.DWG
LAYOUT NAME - 02
PLOT DATE : 10/19/2022 4:35 PM
PLOT BY : BUGARIN, JOSE
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

Estimate Of Quantities

4677-10-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0205	Grubbing	STA	1.000	1.000
0004	204.0100	Removing Concrete Pavement	SY	530.000	530.000
0006	204.0109.S	Removing Concrete Surface Partial Depth	SF	683.000	683.000
0008	204.0150	Removing Curb & Gutter	LF	192.000	192.000
0010	204.0220	Removing Inlets	EACH	7.000	7.000
0012	204.0245	Removing Storm Sewer (size) 12. 12-Inch	LF	135.000	135.000
0014	204.0245	Removing Storm Sewer (size) 18. 18-Inch	LF	104.000	104.000
0016	204.0245	Removing Storm Sewer (size) 24. 24-Inch	LF	8.000	8.000
0018	204.9060.S	Removing (item description) 01. Traffic Signals STH 441 & CTH OO	EACH	1.000	1.000
0020	205.0100	Excavation Common	CY	1,257.000	1,257.000
0022	211.0301	Prepare Foundation for Concrete Base (project) 01. 4677-10-71	EACH	1.000	1.000
0024	213.0100	Finishing Roadway (project) 01. 4677-10-71	EACH	1.000	1.000
0026	305.0110	Base Aggregate Dense 3/4-Inch	TON	3.000	3.000
0028	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,350.000	1,350.000
0030	311.0110	Breaker Run	TON	353.000	353.000
0032	320.0140	Concrete Base 7 1/2-Inch	SY	1,155.000	1,155.000
0034	390.0403	Base Patching Concrete Shes	SY	35.000	35.000
0036	416.0610	Drilled Tie Bars	EACH	360.000	360.000
0038	416.0620	Drilled Dowel Bars	EACH	90.000	90.000
0040	416.1725	Concrete Pavement Replacement SHES	SY	80.000	80.000
0042	455.0605	Tack Coat	GAL	105.000	105.000
0044	460.2000	Incentive Density HMA Pavement	DOL	140.000	140.000
0046	460.6223	HMA Pavement 3 MT 58-28 S	TON	30.000	30.000
0048	460.6224	HMA Pavement 4 MT 58-28 S	TON	175.000	175.000
0050	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000
0052	521.1515	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 15-Inch 6 to 1	EACH	1.000	1.000
0054	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	150.000	150.000
0056	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	792.000	792.000
0058	602.0405	Concrete Sidewalk 4-Inch	SF	2,763.000	2,763.000
0060	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	52.000	52.000
0062	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	112.000	112.000
0064	611.0624	Inlet Covers Type H	EACH	2.000	2.000
0066	611.0627	Inlet Covers Type HM	EACH	4.000	4.000
0068	611.0651	Inlet Covers Type S	EACH	1.000	1.000
0070	611.3004	Inlets 4-FT Diameter	EACH	3.000	3.000
0072	611.3230	Inlets 2x3-FT	EACH	4.000	4.000
0074	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	10.000	10.000
0076	619.1000	Mobilization	EACH	1.000	1.000
0078	620.0300	Concrete Median Sloped Nose	SF	151.000	151.000
0080	624.0100	Water	MGAL	30.000	30.000
0082	625.0100	Topsoil	SY	190.000	190.000
0084	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0086	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0088	628.2008	Erosion Mat Urban Class I Type B	SY	190.000	190.000
0090	628.7005	Inlet Protection Type A	EACH	2.000	2.000
0092	628.7015	Inlet Protection Type C	EACH	7.000	7.000
0094	628.7504	Temporary Ditch Checks	LF	30.000	30.000
0096	628.7555	Culvert Pipe Checks	EACH	4.000	4.000
0098	629.0210	Fertilizer Type B	CWT	0.120	0.120

4677-10-71

Line	Item	Item Description	Unit	Total	Qty
0100	630.0140	Seeding Mixture No. 40	LB	4.000	4.000
0102	630.0500	Seed Water	MGAL	4.300	4.300
0104	633.5200	Markers Culvert End	EACH	1.000	1.000
0106	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	6.000	6.000
0108	634.0620	Posts Wood 4x6-Inch X 20-FT	EACH	1.000	1.000
0110	637.2215	Signs Type II Reflective H Folding	SF	45.000	45.000
0112	637.2230	Signs Type II Reflective F	SF	122.500	122.500
0114	638.2602	Removing Signs Type II	EACH	10.000	10.000
0116	638.3000	Removing Small Sign Supports	EACH	10.000	10.000
0118	642.5001	Field Office Type B	EACH	1.000	1.000
0120	643.0300	Traffic Control Drums	DAY	1,301.000	1,301.000
0122	643.0420	Traffic Control Barricades Type III	DAY	414.000	414.000
0124	643.0705	Traffic Control Warning Lights Type A	DAY	827.000	827.000
0126	643.0715	Traffic Control Warning Lights Type C	DAY	1,065.000	1,065.000
0128	643.0800	Traffic Control Arrow Boards	DAY	125.000	125.000
0130	643.0900	Traffic Control Signs	DAY	1,623.000	1,623.000
0132	643.0920	Traffic Control Covering Signs Type II	EACH	1.000	1.000
0134	643.1000	Traffic Control Signs Fixed Message	SF	39.000	39.000
0136	643.1050	Traffic Control Signs PCMS	DAY	21.000	21.000
0138	643.1070	Traffic Control Cones 42-Inch	DAY	4,482.000	4,482.000
0140	643.5000	Traffic Control	EACH	1.000	1.000
0142	646.1020	Marking Line Epoxy 4-Inch	LF	110.000	110.000
0144	646.3020	Marking Line Epoxy 8-Inch	LF	1,055.000	1,055.000
0146	646.5020	Marking Arrow Epoxy	EACH	5.000	5.000
0148	646.5120	Marking Word Epoxy	EACH	3.000	3.000
0150	646.6120	Marking Stop Line Epoxy 18-Inch	LF	157.000	157.000
0152	646.7120	Marking Diagonal Epoxy 12-Inch	LF	37.000	37.000
0154	646.8120	Marking Curb Epoxy	LF	20.000	20.000
0156	646.8220	Marking Island Nose Epoxy	EACH	2.000	2.000
0158	650.4000	Construction Staking Storm Sewer	EACH	8.000	8.000
0160	650.4500	Construction Staking Subgrade	LF	686.000	686.000
0162	650.5000	Construction Staking Base	LF	686.000	686.000
0164	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	942.000	942.000
0166	650.8501	Construction Staking Electrical Installations (project) 01. 4677-10-71	EACH	1.000	1.000
0168	650.9500	Construction Staking Sidewalk (project) 01. 4677-10-71	EACH	1.000	1.000
0170	650.9911	Construction Staking Supplemental Control (project) 01. 4677-10-71	EACH	1.000	1.000
0172	650.9920	Construction Staking Slope Stakes	LF	232.000	232.000
0174	652.0210	Conduit Rigid Nonmetallic Schedule 40 1-Inch	LF	285.000	285.000
0176	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	500.000	500.000
0178	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	590.000	590.000
0180	652.0615	Conduit Special 3-Inch	LF	913.000	913.000
0182	652.0800	Conduit Loop Detector	LF	210.000	210.000
0184	653.0105	Pull Boxes Steel 12x24-Inch	EACH	2.000	2.000
0186	653.0164	Pull Boxes Non-Conductive 24x42-Inch	EACH	11.000	11.000
0188	653.0905	Removing Pull Boxes	EACH	4.000	4.000
0190	654.0105	Concrete Bases Type 5	EACH	2.000	2.000
0192	654.0110	Concrete Bases Type 10	EACH	1.000	1.000
0194	654.0113	Concrete Bases Type 13	EACH	2.000	2.000
0196	654.0120	Concrete Bases Type 10-Special	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0198	655.0230	Cable Traffic Signal 5-14 AWG	LF	952.000	952.000
0200	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,459.000	2,459.000
0202	655.0700	Loop Detector Lead In Cable	LF	1,022.000	1,022.000
0204	655.0800	Loop Detector Wire	LF	1,146.000	1,146.000
0206	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. CTH OO & French Road	EACH	1.000	1.000
0208	657.0100	Pedestal Bases	EACH	2.000	2.000
0210	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	4.000	4.000
0212	657.0322	Poles Type 5-Aluminum	EACH	2.000	2.000
0214	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000
0216	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	2.000	2.000
0218	657.0614	Luminaire Arms Single Member 4-Inch Clamp 8-FT	EACH	2.000	2.000
0220	657.0615	Luminaire Arms Single Member 4 1/2-Inch Clamp 8-FT	EACH	1.000	1.000
0222	658.0173	Traffic Signal Face 3S 12-Inch	EACH	17.000	17.000
0224	658.0174	Traffic Signal Face 4S 12-Inch	EACH	2.000	2.000
0226	658.5070	Signal Mounting Hardware (location) 01. CTH OO & French Road	EACH	1.000	1.000
0228	658.5070	Signal Mounting Hardware (location) 02. STH 441 & CTH OO	EACH	1.000	1.000
0230	659.1125	Luminaires Utility LED C	EACH	8.000	8.000
0232	659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH	3.000	3.000
0234	690.0150	Sawing Asphalt	LF	310.000	310.000
0236	690.0250	Sawing Concrete	LF	1,050.000	1,050.000
0238	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0240	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0242	SPV.0060	Special 01. Concrete Bases Type 1 Special	EACH	2.000	2.000
0244	SPV.0060	Special 02. Concrete Bases Type 2 Special	EACH	2.000	2.000
0246	SPV.0060	Special 03. Concrete Bases Cabinet Basement Precast Special	EACH	1.000	1.000
0248	SPV.0060	Special 04. Radar Vehicle Detection System Cth OO & French Road	EACH	1.000	1.000
0250	SPV.0060	Special 05. Radio Communication System Special Cth OO & French Road	EACH	1.000	1.000
0252	SPV.0060	Special 06. Traffic Signal Controller and Cabinet Assembly Special Cth OO & French Road	EACH	1.000	1.000
0254	SPV.0060	Special 07. Install Signal Mounting Hardware CTH OO & French Road	EACH	1.000	1.000
0256	SPV.0060	Special 08. Poles Type 4 Short	EACH	2.000	2.000
0258	SPV.0060	Special 09. Install Poles Type 9	EACH	1.000	1.000
0260	SPV.0060	Special 10. Install Poles Type 10 Special	EACH	1.000	1.000
0262	SPV.0060	Special 11. Intall Poles Type 13	EACH	2.000	2.000
0264	SPV.0060	Special 12. Install Monotube Arms 30-Ft	EACH	1.000	1.000
0266	SPV.0060	Special 13. Install Monotube Arms 45-Ft	EACH	1.000	1.000
0268	SPV.0060	Special 14. Install Monotube Arms 45-Ft Special	EACH	1.000	1.000
0270	SPV.0060	Special 15. Install Monotube Arms 55-Ft	EACH	2.000	2.000
0272	SPV.0060	Special 16. Install Luminaire Arms Steel 12-Ft	EACH	3.000	3.000
0274	SPV.0090	Special 01. Tray Cable For Street Lighting 3 Conductor 12 AWG	LF	2,964.000	2,964.000
0276	SPV.0090	Special 02. Cable Traffic Signal 16-14 AWG	LF	1,799.000	1,799.000

REMOVAL ITEMS

LOCATION	STATION	TO	STATION	201.0205 * GRUBBING STA	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF	204.0150 ** REMOVING CURB & GUTTER LF
CTH OO STAGE 1	697+42	-	701+95	--	530	683	130
FRENCH RD STAGE 2	592+60	-	592+99	1	--	--	62
PROJECT TOTALS				**1**	**530**	**683**	**192**

REMOVING STORM SEWER

LOCATION	STATION	TO	STATION	204.0220 REMOVING INLETS EACH	204.0245.12 REMOVING STORM SEWER 12-INCH LF	204.0245.18 REMOVING STORM SEWER 18-INCH LF	204.0245.24 REMOVING STORM SEWER 24-INCH LF
CTH OO STAGE 1	697+42	-	701+95	7	135	104	8
FRENCH RD STAGE 2	592+60	-	592+99	--	--	--	--
PROJECT TOTALS				**7**	**135**	**104**	**8**

* TREE STUMP LOCATED AT STA 594+85, 29' LT.

** THE CTH OO REMOVAL IS FOR OVERLAID DRIVEWAY CURB IN THE MEDIAN.

EARTHWORK SUMMARY

DIVISION	STATION TO STATION	205.0100 EXCAVATION COMMON (CY) CUT (2)	205.0100 EXCAVATION COMMON (CY) EBS EXCAVATION (3)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL * (CY) (2)	AVAILABLE MATERIAL * (CY) (4)	311.0110 BREAKER RUN ** (TON)	UNEXPANDED FILL * (CY)	EXPANDED FILL * (CY) (5) FACTOR 1.25	MASS ORDINATE * +/- (CY) (6)	WASTE * (CY) (7)
CTH OO	697+42 TO 701+96	965	0	194	771	0	0	0	771	771
FRENCH ROAD	592+61 TO 594+92	232	0	4	228	0	3	4	225	225
UNDISTRIBUTED			60							60
	DIVISION TOTALS	1,197	60	198	999	108	3	4	996	1,055
	SUBTOTALS	1,197	60	198	999	108	3	4	996	1,055
	PROJECT TOTALS	1,257								

NOTES:

(1) COMMON EXCAVATION (ITEM 205.0100) = CUT + EBS EXCAVATION

(2) SALVAGED / UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN THE CUT VALUE.

(3) EBS MATERIAL IS UNDISTRIBUTED AT THE DISCRETION OF THE ENGINEER AND SHALL BE WASTED OFFSITE. EBS TO BE BACKFILLED WITH BREAKER RUN (ITEM 311.0110).

(4) AVAILABLE MATERIAL = CUT - SALVAGED / UNUSABLE PAVEMENT MATERIAL.

(5) EXPANDED FILL FACTOR = UNEXPANDED FILL x EXPANSION FACTOR.

(6) THE MASS ORDINATE +/- QTY CALCULATED FOR THE DIVISION. A "PLUS" QTY INDICATES AN EXCESS OF MATERIAL. A "MINUS" QTY INDICATES A SHORTAGE OF MATERIAL.

(7) WASTE = MASS ORDINATE (IF POSITIVE VALUE) + EBS.

* NOT A BID ITEM (FOR INFORMATION ONLY)

** ADDITIONAL QUANTITY SHOWN IN BASE AGGREGATE ITEMS TABLE

ALL ITEMS CATEGORY 0010 UNLESS NOTED

3

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATION	DEPTH FT	521.1515 APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 15-INCH 6 TO 1 EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0651 INLET COVERS TYPE S EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	633.5200 MARKERS CULVERT END EACH	COMMENTS
1	697+57	17.9' LT	735.04	730.47	3.57	--	--	--	1	1	--	--	--	FLAT TOP SLAB WITH 2' x 2' OPENING REQ'D
2A	698+50	22.4' LT	735.19	729.42	4.77	--	--	1	--	1	--	--	--	
2	698+57	8.2' LT	735.50	729.26	5.24	--	--	1	--	1	--	--	--	
3A	701+08	22.0' LT	736.18	732.66	2.52	--	--	1	--	--	1	--	--	
3B	701+08	15.6' LT	736.28	732.53	2.75	--	--	1	--	--	1	--	--	
4A	594+15	22.3' LT	734.83	732.12	1.71	--	1	--	--	--	1	10	--	
4B	594+25	21.3' LT	734.56	732.02	1.54	--	1	--	--	--	1	--	--	
4C	594+60	25.5' LT	--	731.69	--	1	--	--	--	--	--	--	1	
PROJECT TOTALS						**1**	**2**	**4**	**1**	**3**	**4**	**10**	**1**	

STRUCTURE DEPTH = RIM ELEVATION - INVERT ELEVATION - CASTING HEIGHT - ADJUSTMENT
CASTING HEIGHT = 6" FOR TYPE H, HM, AND S COVERS
ADJUSTMENT = 6" TYPICAL

STORM SEWER PIPES

STRUCTURE FROM	STRUCTURE TO	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT	520.8000 CONCRTE COLLARS FOR PIPE EACH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF
1	2A	730.47	729.42	1.00	--	--	93
2A	2	729.42	729.26	1.00	--	--	16
3A	3B	732.66	732.53	2.00	--	7	--
3B	EXIST	735.53	EXIST	EXIST	1	--	3
4A	4B	732.12	732.02	1.00	--	10	--
4B	4C	732.02	731.69	0.96	--	35	--
PROJECT TOTALS					**1**	**52**	**112**

ALL ITEMS CATEGORY 0010 UNLESS NOTED

3

RESTORATION ITEMS

LOCATION	STATION	TO	STATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL
CTH OO STAGE 1	697+42	-	701+95	--	--	--	--
FRENCH RD STAGE 2	592+60	-	592+99	190	0.12	4	4.3
PROJECT TOTALS				**190**	**0.12**	**4**	**4.3**

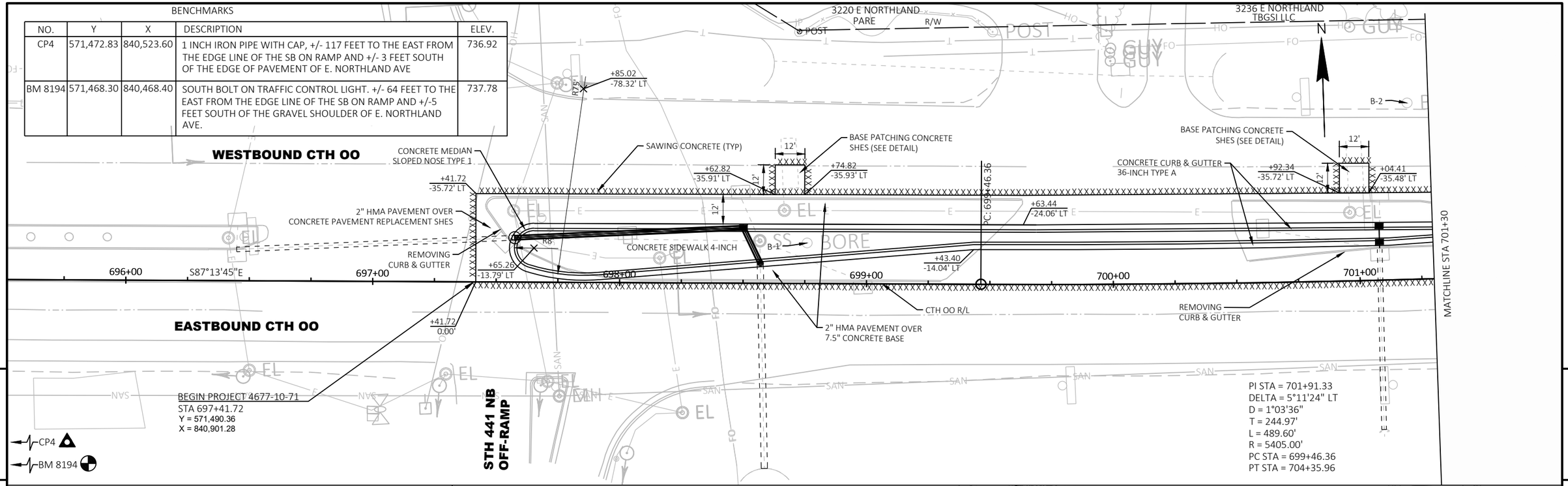
EROSION CONTROL

LOCATION	STATION	TO	STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
CTH OO STAGE 1	697+42	-	701+95	1	1	--	--	5	--	--
FRENCH RD STAGE 2	592+60	-	592+99	2	1	190	2	2	30	4
PROJECT TOTALS				**3**	**2**	**190**	**2**	**7**	**30**	**4**

ALL ITEMS CATEGORY 0010 UNLESS NOTED

BENCHMARKS

NO.	Y	X	DESCRIPTION	ELEV.
CP4	571,472.83	840,523.60	1 INCH IRON PIPE WITH CAP, +/- 117 FEET TO THE EAST FROM THE EDGE LINE OF THE SB ON RAMP AND +/- 3 FEET SOUTH OF THE EDGE OF PAVEMENT OF E. NORTHLAND AVE	736.92
BM 8194	571,468.30	840,468.40	SOUTH BOLT ON TRAFFIC CONTROL LIGHT. +/- 64 FEET TO THE EAST FROM THE EDGE LINE OF THE SB ON RAMP AND +/-5 FEET SOUTH OF THE GRAVEL SHOULDER OF E. NORTHLAND AVE.	737.78



BENCHMARKS

NO.	Y	X	DESCRIPTION	ELEV.
CP5	571,437.03	841,458.68	CHISELED T IN TOP OF CURB AT THE INTERSECTION OF FRENCH ROAD AND CTH OO IN THE SOUTHEAST QUADRANT. +/- 49 FEET EAST OF CENTER LINE OF NB OFF RAMP	737.56
BM 5001	571,370.5	841,453.00	CHISELED T IN TOP OF BOX CULVERT AT THE INTERSECTION OF FRENCH ROAD AND CTH OO. +/- 30 FEET OFF EDGE OF PAVEMENT EAST SIDE OF FRENCH ROAD, NORTH SIDE OF BOX CULVERT.	729.84

PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	PLAN	SHEET 53	E

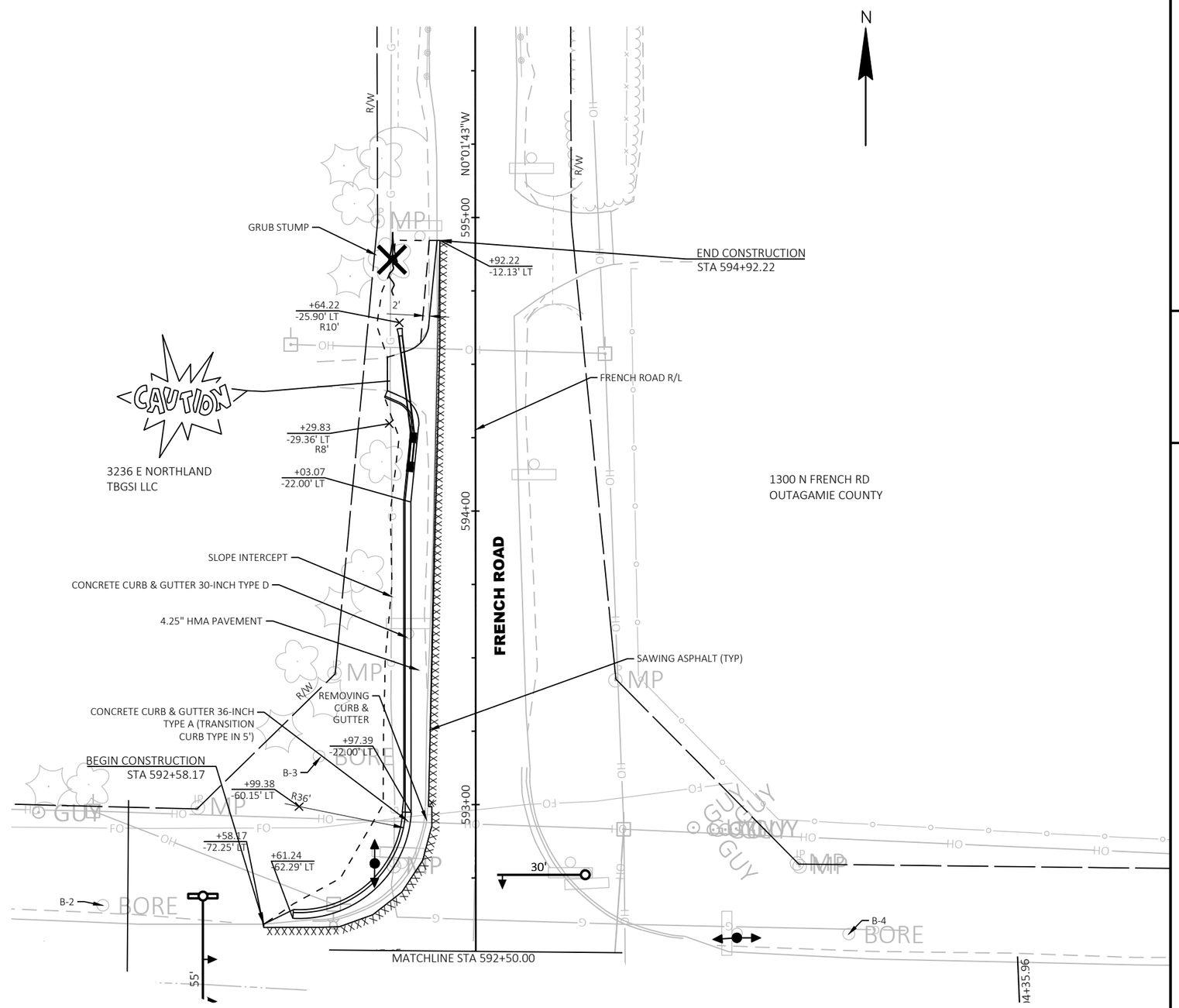
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LAYOUT NAME - 01

PLOT DATE : 10/24/2022 1:53 PM PLOT BY : GUILLAMA, TINA PLOT NAME : PLOT SCALE : 1 IN:40 FT

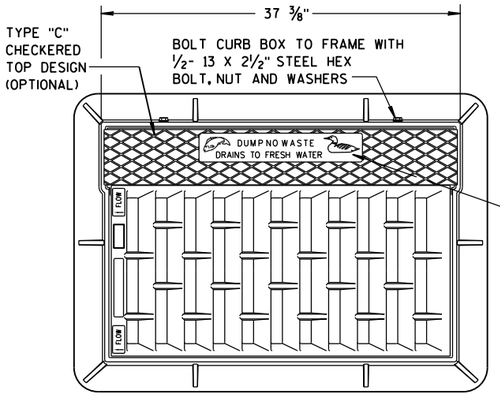
WISDOT/CADDS SHEET 44

BENCHMARKS

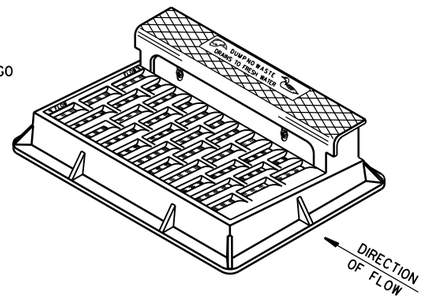
NO.	Y	X	DESCRIPTION	ELEV.
CP5	571,437.03	841,458.68	CHISELED T IN TOP OF CURB AT THE INTERSECTION OF FRENCH ROAD AND CTH OO IN THE SOUTHEAST QUADRANT. +/- 49 FEET EAST OF CENTER LINE OF NB OFF RAMP	737.56
BM 5001	571,370.5	841,453.00	CHISELED T IN TOP OF BOX CULVERT AT THE INTERSECTION OF FRENCH ROAD AND CTH OO. +/- 30 FEET OFF EDGE OF PAVEMENT EAST SIDE OF FRENCH ROAD, NORTH SIDE OF BOX CULVERT.	729.84



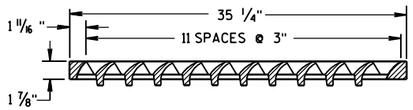
PROJECT NO: 4677-10-71	HWY: CTH OO	COUNTY: OUTAGAMIE	PLAN	SHEET 54	E

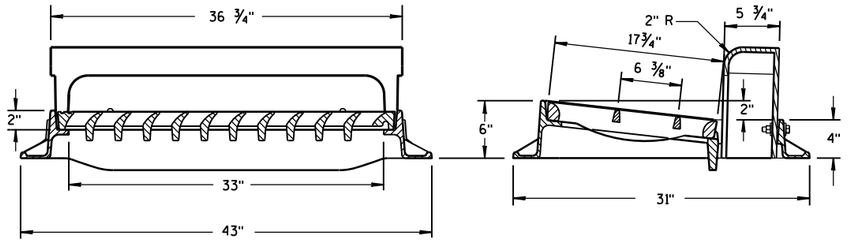


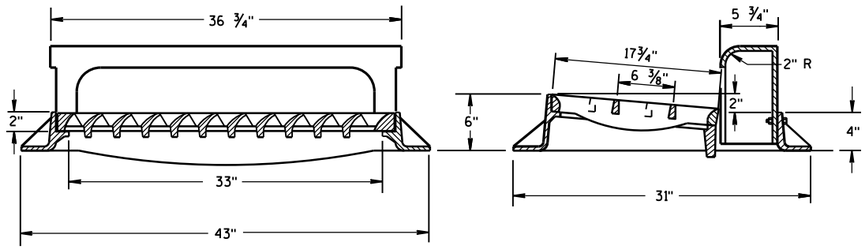
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

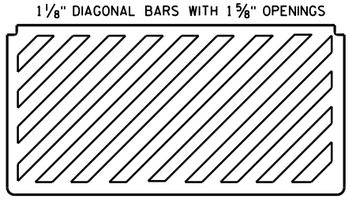






TYPE "H"

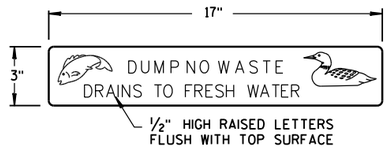
NOTE: EITHER CASTING IS ACCEPTABLE



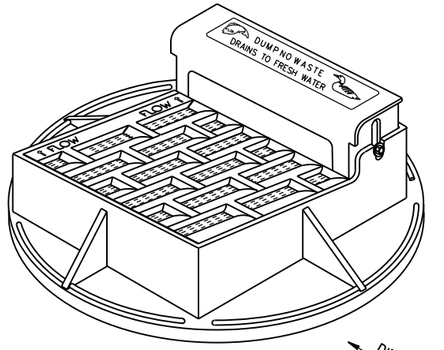
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

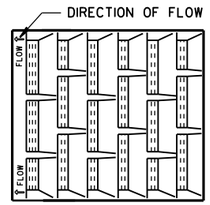
NOTE:
GRATE IS REVERSIBLE.

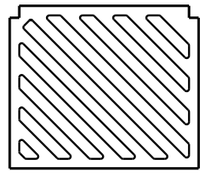
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

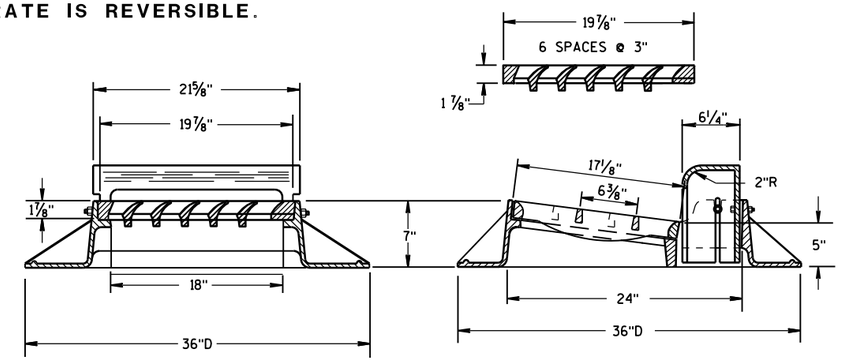




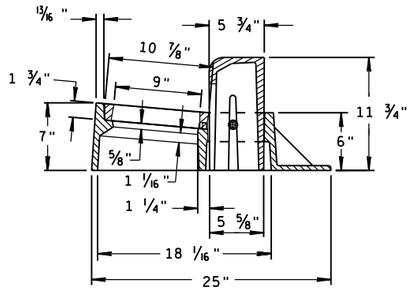
SPECIAL GRATE FOR TYPE "A" COVER

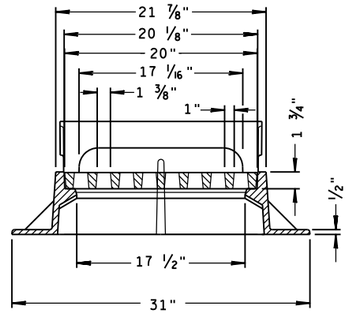
(MEASURES 19 3/4" X 17" X 1 7/8")

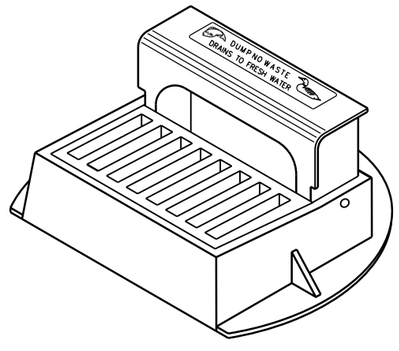
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

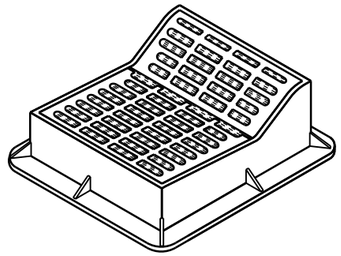
INLET COVERS
TYPE A, H, A-S, H-S & Z

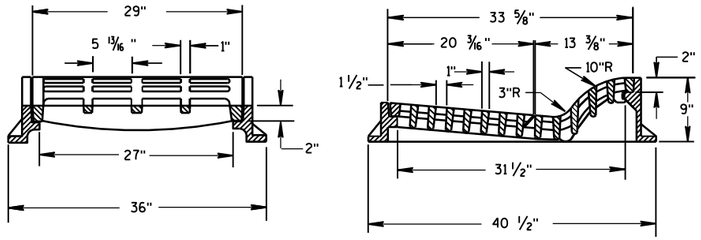
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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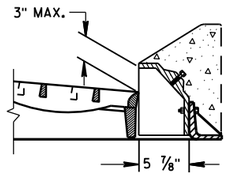
S.D.D. 8 A 5-19a





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

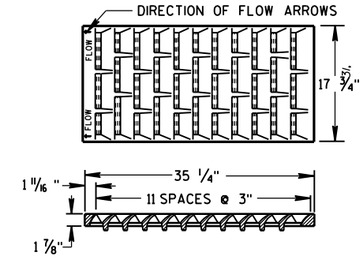
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

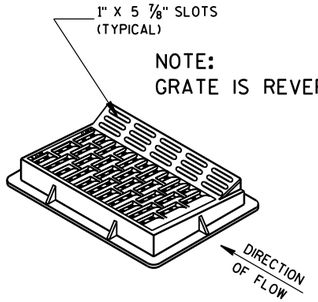
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

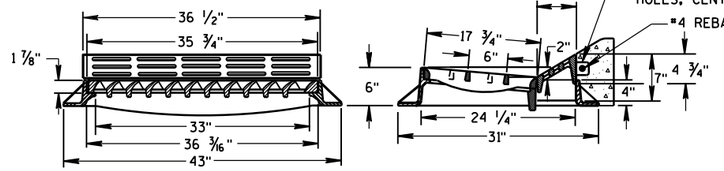
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



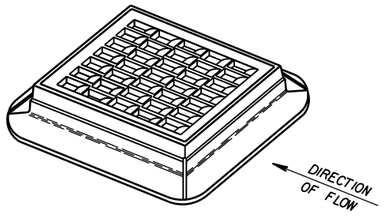


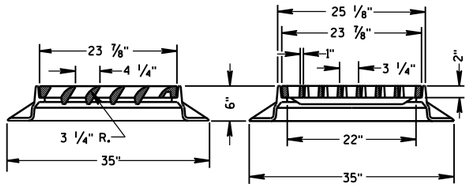


TYPE "HM"

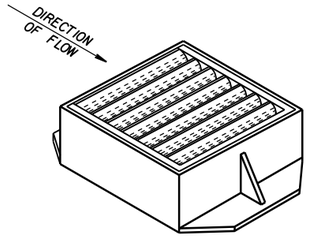
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

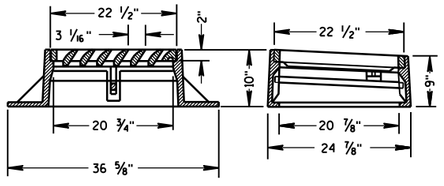
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



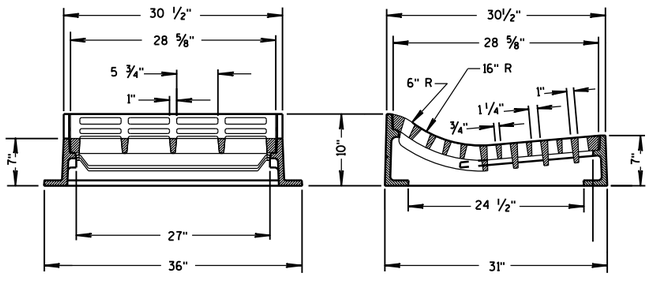


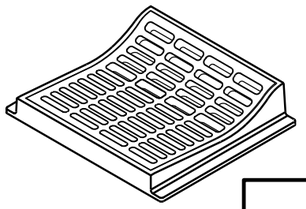
TYPE "S"





TYPE "V"





TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

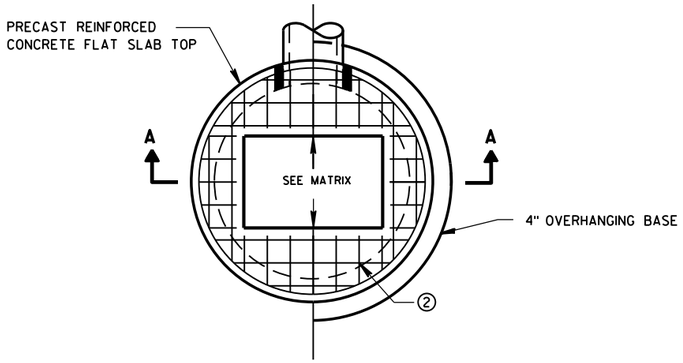
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

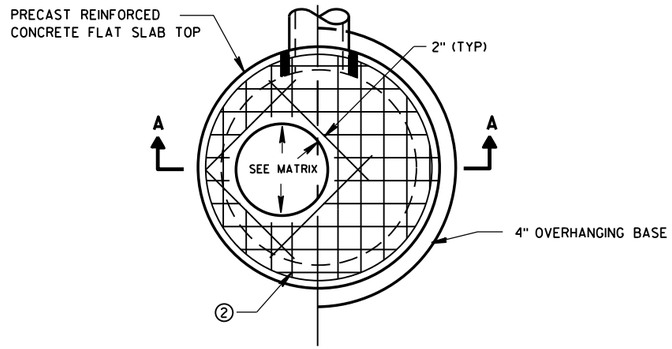
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

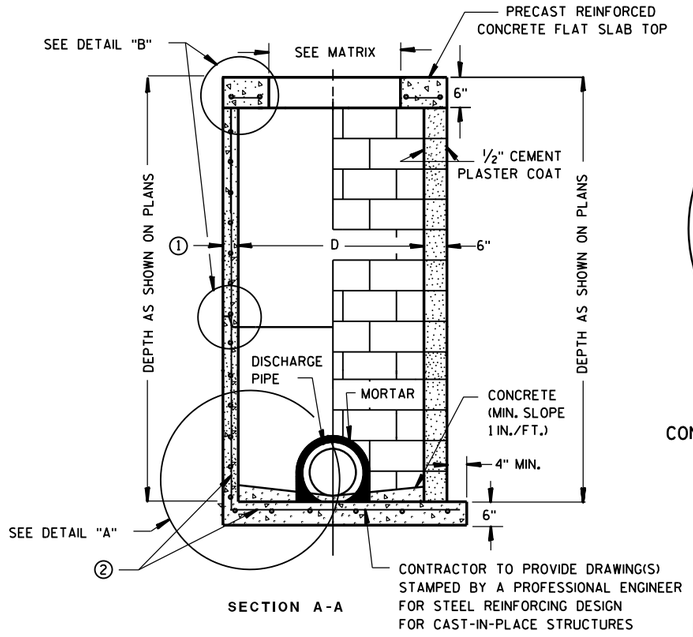
6
S.D.D. 8 A 5-19c



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

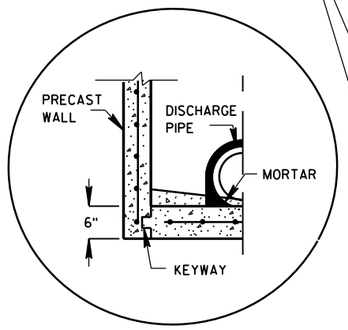


SECTION A-A

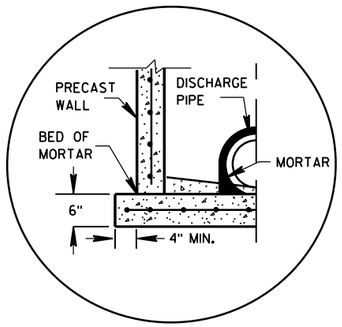
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

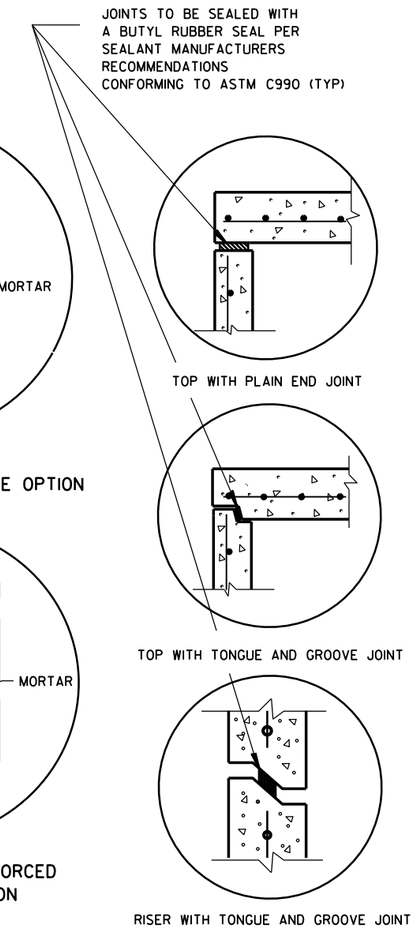


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

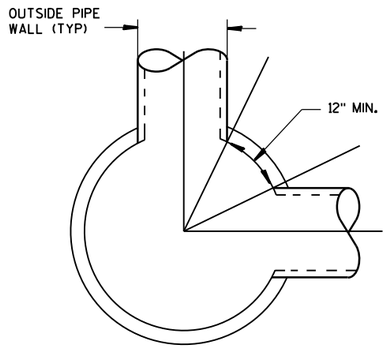
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

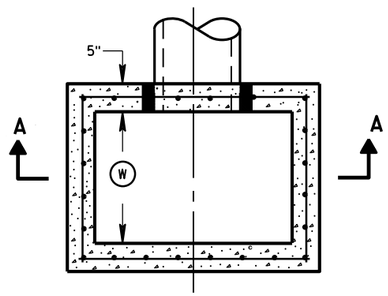
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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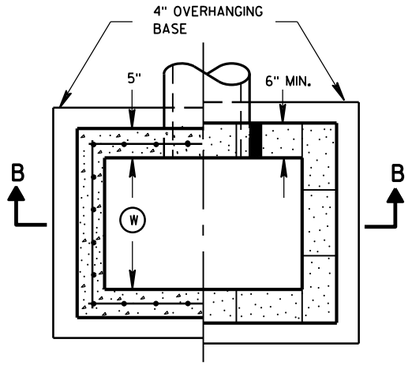
S.D.D. 8 C 6-2

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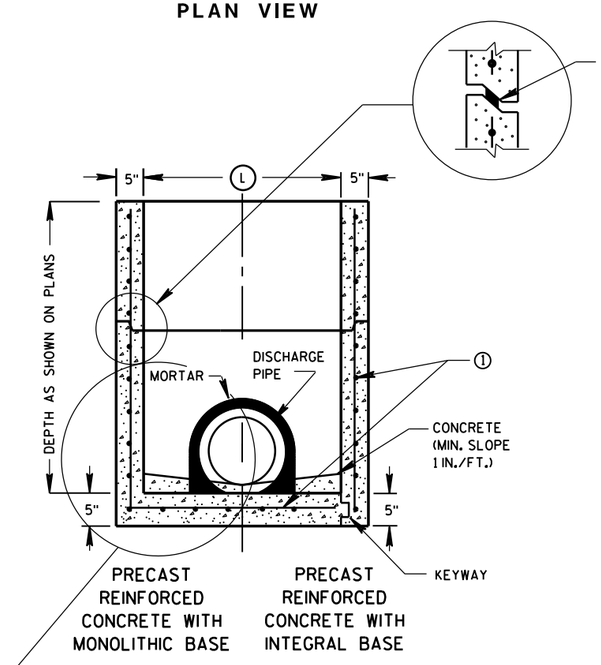
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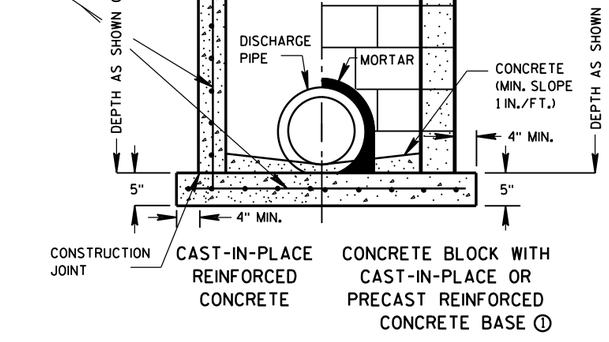
PLAN VIEW



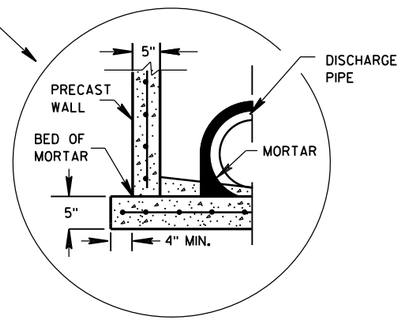
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

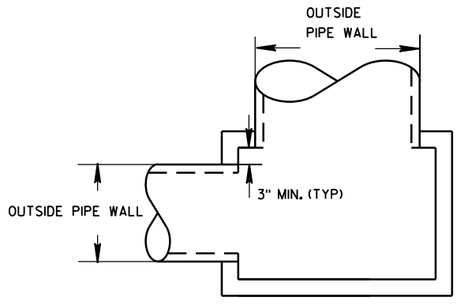
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



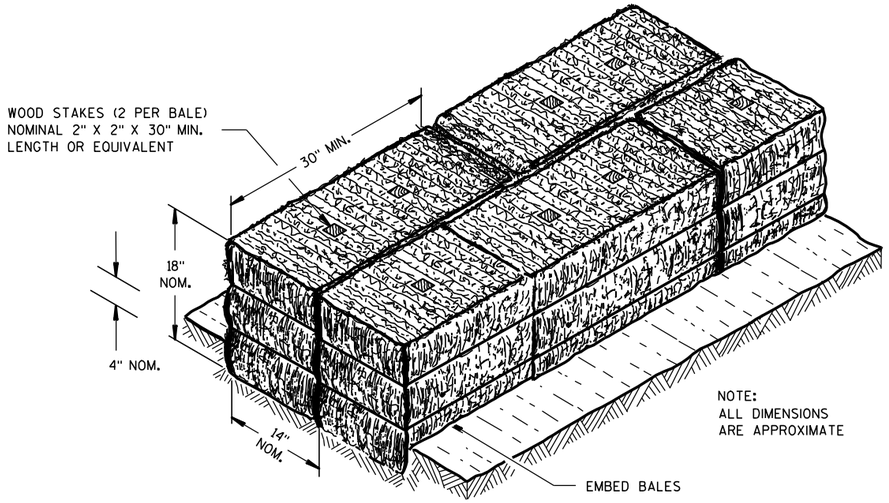
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

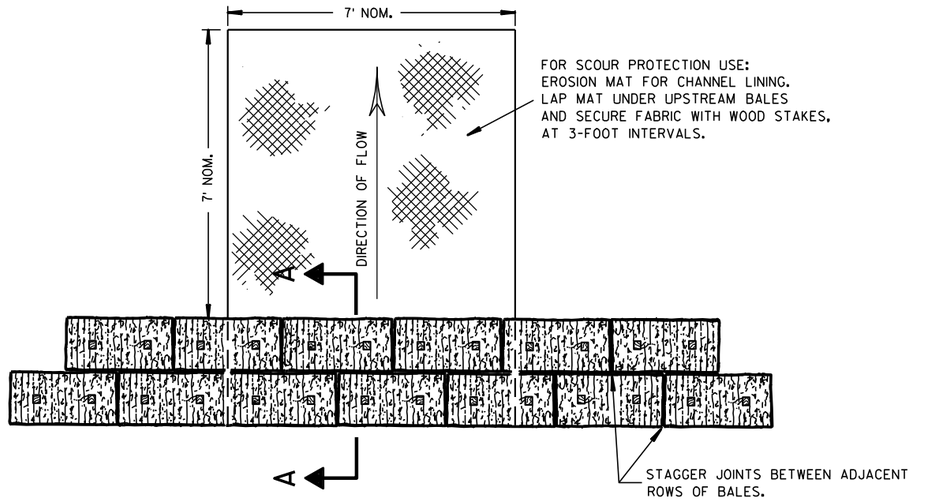
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

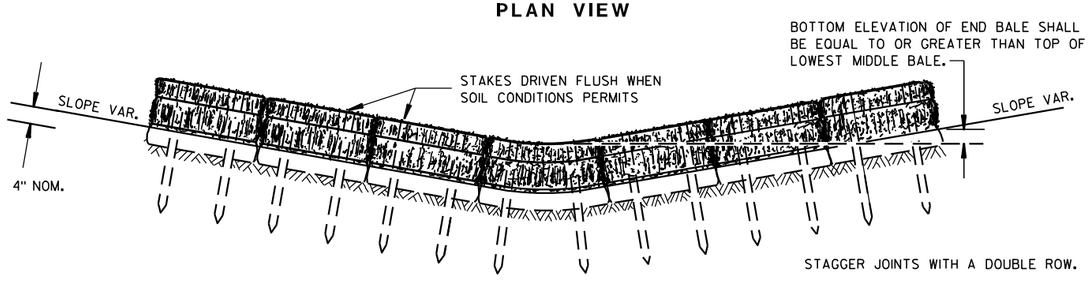
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



SECTION A-A



PLAN VIEW



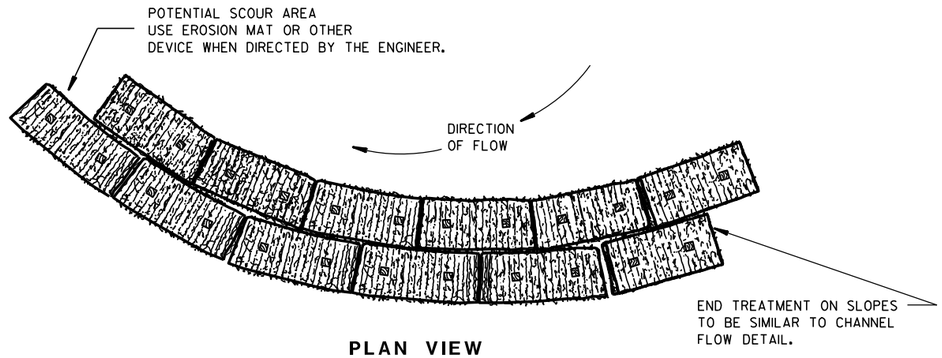
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

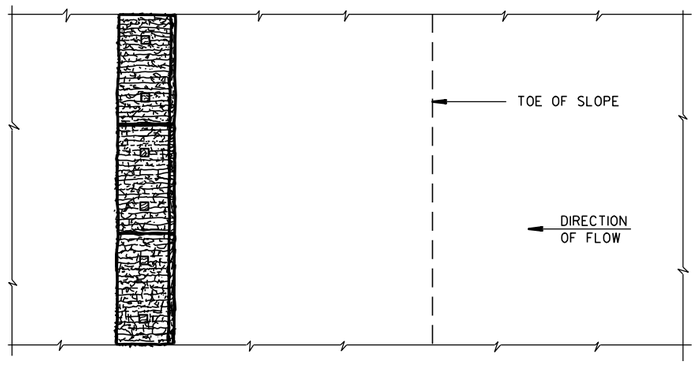
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

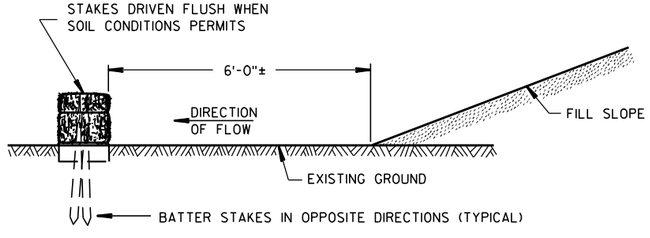


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

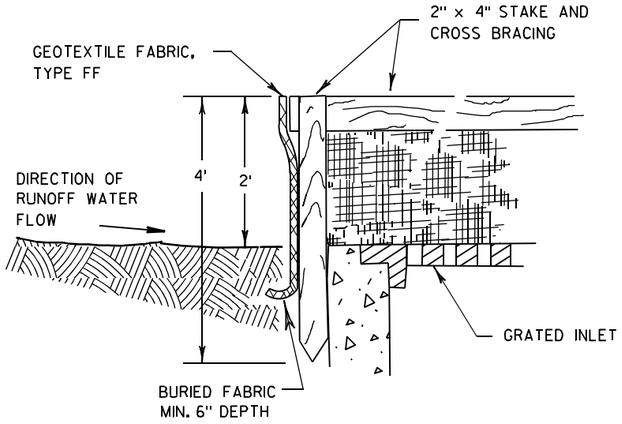
6/04/02 — DATE

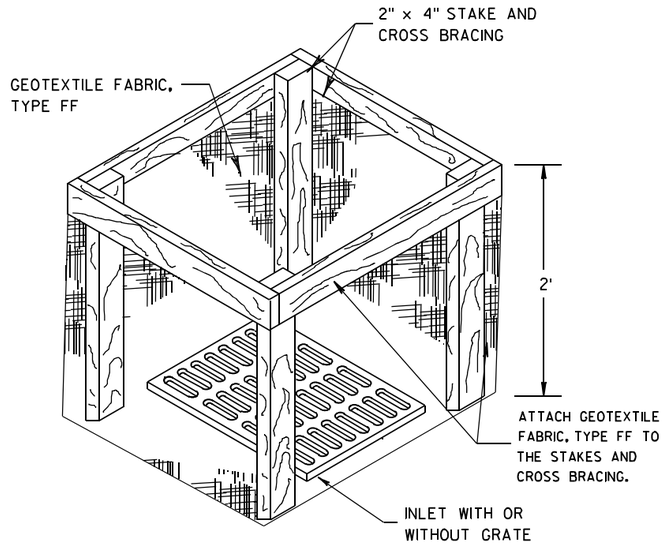
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

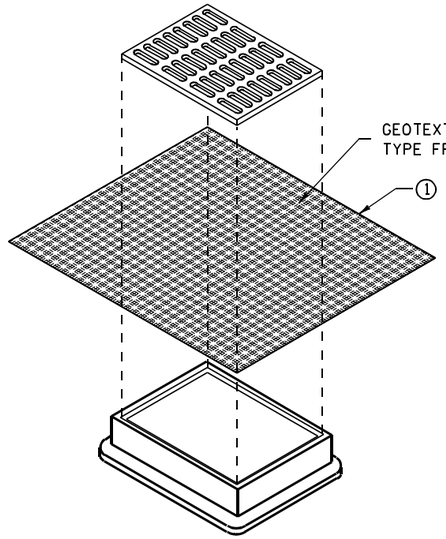
6

S.D.D. 8 E 8-3



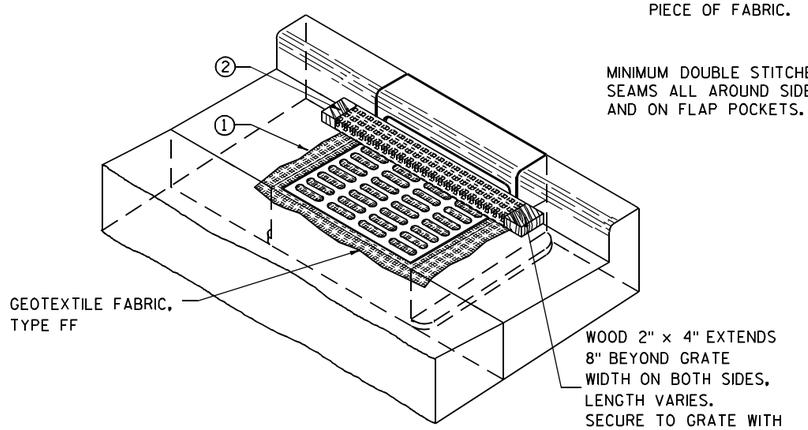


INLET PROTECTION, TYPE A

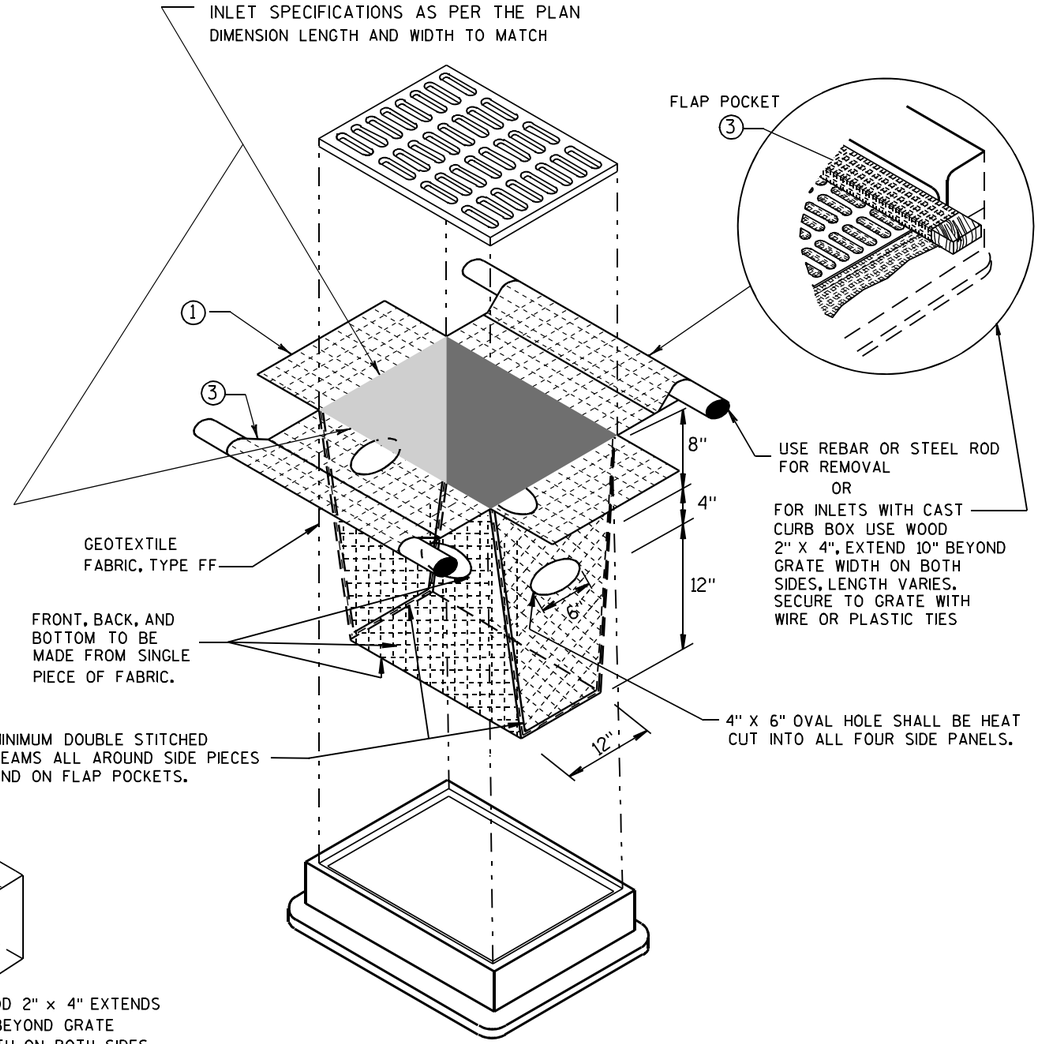


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

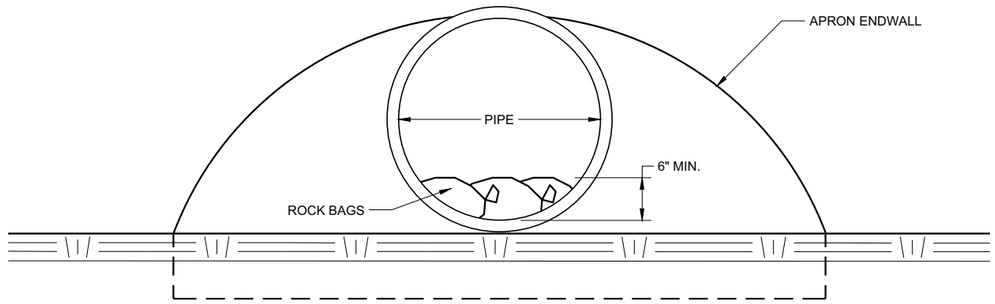
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

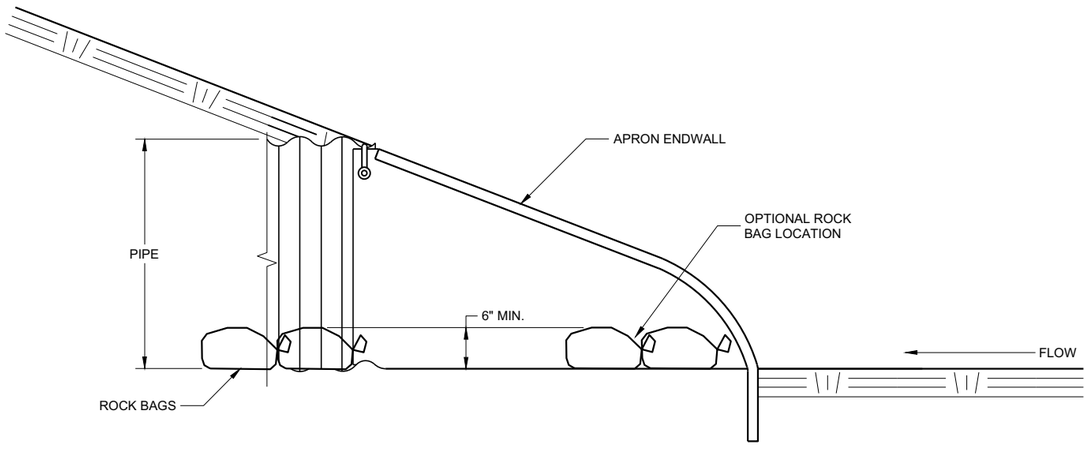
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

Town of Grand Chute
1900 Grand Chute Boulevard
Grand Chute, WI 54913-9613
Phone: 920.832.1581

STORMWATER MANAGEMENT SYSTEM
INSPECTION, OPERATION, & MAINTENANCE FORM

Site or Subdivision Name: CTH AA (Bluemound)		Parcel ID: 101090900
Site Address / Location: 1,200' North of Brewster St.		
Inspection Frequency (check one): ☐ > 0.5 Inch Rain (R) ☐ Monthly (M) ☐ Biannual (B) ■ Annual (A) ☐ 5-Year Cycle (C) ☐ Other		
Date of Inspection: 9/28/23	Inspector Name: Michael Morman	Maintenance Crew Leader Name:

Maintenance Items – Wet or Dry Detention Pond (1001)	Frequency	Observed?	Inspector Comments	Maintenance Completed
1. Debris & Litter – At inlets and outlets (grate, orifice, weir, pipe, spillway, etc.)	R,M,B,A,C	☐ Yes ■ No		☐ Yes
2. Debris & Litter – At other device locations (open water, shoreline, vegetation)	A,C	■ Yes ☐ No	Fallen tree/branches on west bank	☐ Yes
3. Vegetation – Vegetation health or density concern (water, disease, etc.)	M,B,A,C	☐ Yes ■ No		☐ Yes
4. Vegetation – Noxious weed or tree root concern (unauthorized planting, etc.)	A,C	☐ Yes ■ No		☐ Yes
5. Wildlife – Burrow holes, fish damage, animal paths, or other concern	A,C	☐ Yes ■ No		☐ Yes
6. Erosion – Channel, rill, scour, shoreline, or other erosion concern	A,C	☐ Yes ■ No		☐ Yes
7. Structural inlet or outlet concern (crack, spalling, corrosion, pipe joint, etc.)	A,C	☐ Yes ■ No		☐ Yes
8. Structural liner concern (burrow hole, tree/shrub root, erosion, leak, etc.)	A,C	☐ Yes ■ No		☐ Yes
9. Structural embankment concern (seeping, settling, slumping, roots, etc.)	R,M,B,A,C	☐ Yes ■ No		☐ Yes
10. Structural spillway concern (dimensions, freeboard, unstable, leaking, etc.)	R,M,B,A,C	☐ Yes ■ No		☐ Yes
11. Backflow preventor or flap gate concern (clogged, missing, etc.)	R,M,B,A,C	☐ Yes ■ No		☐ Yes
12. Aerator or fountain system operational concern	R,M,B,A,C	☐ Yes ■ No		☐ Yes
13. If < 10,000 feet from airport, bird deterrent concern (large bird, etc.)	M,B,A,C	☐ Yes ■ No		☐ Yes
14. Wet Pond – Sediment accumulation concern (PP water depth < 3.5 feet)	C	☐ Yes ■ No		☐ Yes
15. Dry Pond – Sediment accumulation concern (storage reduced by > 10%)	C	☐ Yes ■ No		☐ Yes
16. Other (graffiti, illicit discharge, illegal dumping, etc.):		☐ Yes ■ No		☐ Yes

2023 MS4 Permit

- **Ch2. Public Outreach and Education**
  - No changes from previous permit
- **Ch3. Public Involvement and Participation**
  - Roundabout Programs, Adopt-a-highway, Cleanup events
    - Included list of all adopt-a-highway and contact info
    - No clean up events
- **Ch5. Construction Site Pollutant Control**
  - DNR permits – None this year in the MS4 area
- **CH6. Post-Construction Stormwater Management**
  - DNR permits for stormwater features - None
  - County Stormwater - none
  - Facilities update – bluemound pond inspection
- **Ch7. Pollution Prevention**
  - SWPPP – see inspection sheets
  - Street Sweeping – 180 Tons. This is the total amount for the entire county including state highways and town roads both inside and outside the MS4 area, see attached sheets
  - De-Icing Products, Tons – See winter maintenance document
    - See Snow Plow training
    - Use salt and brine based off weather conditions and experience. Mechanical means of ice removal is the main method of deicing with the use of brine and salt to supplement this process and prevent ice from forming. The County strives to minimize the use of salt and brine, without compromising the safety of the public, to reduce the impact on the environment.
  - Lane Miles – see attached
  - Catch Basin cleaning program – none
  - Maintenance Program – - Mowing is completed twice a year. In spring/early summer, the inslope of the ditch is mowed and in late summer/early fall the entire ditch (highway right of way) is mowed. Employees receive instructions on how to operate the mower and have hands on training to learn how to safely mow ditches.
    - The county inspects ditches on a yearly basis and identifies any problem areas that are not draining properly. The county will also review complaints received from property owners about ditches that have a drainage problem and determine if the ditch is functioning properly or not. If a drainage issue is present, ditch cleaning is performed to reestablish the ditch to ensure proper drainage. The ditches are restored with grass seed and erosion mat to ensure vegetation is allowed to grow quickly and minimize any soil erosion.
  -
  - County BMPs – bluemound inspection report
  - New BMPs- none
  - Annual Staff trainings – internal discussion/training reviewing the current permit and requirements regarding inspections, see attached training on salt use
    - Michael Morman attended FWWA Conference in March, and also attended the TMDL half day workshop

- Any nutrient management plans – none
- Information on municipal projects - none
- Need to develop maintenance plans and procedures for all stormwater facilities.

- **Ch8. Stormwater Quality Management**
  - Any new municipal agreements in place? No. Please provide updates on any new, pending or future municipal agreements that would have Stormwater modeling (TSS & TP reductions) implications. City of Kaukauna pending, Town of Grand Chute
  - 2023, current/future projects which have Stormwater implications (within the MS4 area).
    - Completed project: CTH CE (RR street intersection) – See attached plan set, no major changes or impacts to storm water
    - Future project: CTH N (CTH CE to CTH KK) – See plan set
    - Completed project: CTH OO (OO and French intersection) – See plan set, no major changes or impacts to storm water

2023 Adopt-a-Highway and Adopt-a-Roundabout

2023	NAME OF ORGANIZATION	HWY	SEGMENT	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	E-Mail Address	Year Began	NOTES	Team Lead
	Neighbors for a Clean Earth	A	Mayflower Rd to Puls Rd	Robin Schmidt	W6126 County Rd A	Shiocton	WI	54170	920-450-0292	bird7wally@gmail.com	2015		
	In Memory of Joseph D. Nelson	BB	Appleton to American Dr	Thomas Nelson	1712 S. Kasper Dr.	Appleton	WI	54914	920-850-5607	trn68@hotmail.com	2021		
	Freedom Moravian Church	C	From CTH "S" to Center Valley Road	Mike Mischnick	W3457 Center Valley Rd	Appleton	WI	54913	920-734-1278	freedommoravian@gmail.com	2004		
	MSA Professional Services	CA	McCarthy to Mall Dr.	Shari Scott	4321 W. College Ave., Ste. 200	Appleton	WI	54914	920-545-2085		2016		
	Expert Real Estate Partners	CE	CTH "N" to 441 Overpass - NORTH **SIDE ONLY**	Pam Wilda	613 N. Lynndale Dr.	Appleton	WI	54914	920-376-5999	pwilda@experthomes.com	2017		
	Guardian Green Team	CE	STH 441 to CTH "N" -**SOUTH SIDE ONLY**	Christa Vanderheiden	2300 E Capitol Dr.	Appleton	WI	5911	920-749-5561	christa_Vanderheiden@glic.com	2016		
	Anthony and Matt	CE	STH 55 to CTH "Q"	Anthony Guagliardo	103 E. Morningside Dr.	Kaukauna	WI	54130	920-764-1218	guagliardoanthony@gmail.com	2020		
	On the Go 4H	E	VanAsten Rd to CTH "J"	Robin Kettner	N2521 Thornapple Lane	Appleton	WI	54913	920-851-5116	robin@kettnerfamily.org	1994		
	Russell's Family / Friends	E	USH 41 to Broadway Drive	LuAnn Wickeham	3066 Winniepeg	Menasha	WI	54952	920-585-8152	luann21@new.rr.com	2013		
	Kiwanis Club of Appleton	EE	CTH "E" to CTH "O"	Barb Uehling	3783 N. Crosscreek Cir	Appleton	WI	54913	920-731-5092	321appleton.com	1995		
	Oneida Community Library	H	CTH EE to Ranch Road	Wanda Boivin	P.O. Box 365	Oneida	WI	54155	920-869-6216	wboivin@oneidanation.org	2009		
	Knights of Columbus Council #607	JJ	Ballard (E) to French	Lee Griesbach	P.O. Box 1492	Appleton	WI	54912	920-915-9033	griesbachlee@gmail.com	1992		
	Bent Arrow 4-H Club	JJ	CTH "A" to Melmar Street	Tammy Stille	N4389 Hample Rd	Black Creek	WI	54106	920-997-0363	tammy@stilles.org	1992		
	Appleton Fox Cities Kiwanis Club	JJ	STH 76 to Mayflower Road	Paul Shrode	726 E Washington St	Appleton	WI	54911	920-809-2872	shrode@fvtc.edu	1993	Also does a pick up at CTH N Park and Ride	
	Boy Scout Troop 41	KK	CTH 'N" to STH 55				WI	54136	920-750-1905		2006		
	Ellington Community Club	MM	STH 76 to Ellington Town Line	Roy Hegard	W8199 County Rd MM	Hortonville	WI	54944	920-470-5414	hegardlaw@gmail.com	20013		
	The Vosters Family	N	Greiner Road to CTH "E"	Carol Vosters	N2849 CTH N	Appleton	WI	54913	920-268-3187	vostersdc@yahoo.com	2020		
	Nestle Freedom DC	N	STH 41 to CTH "JJ"	Nick Fischer	3900 Freedom Rd.	Appleton	WI	54913	920-944-4038	nickolas.fischer@us.nestle.com	2021		
	Bassett Mechanical	OO	STH 55 to Vandenbroek Rd.	Kelly Herson	1215 Hyland Ave	Kaukauna	WI	54130	920-462-1821	kelly.herson@bassettmechanical.com			
	Freedom Trailblazers Snowmobile Club	S	STH 55 to CTH "J"	Chuck Bender	N5199 County Road E	DePere	WI	54115	920-427-1850	barefootcharlieb@aol.com	2004	**Had meeting 10/3/2021 will not be continuing the program. Getting to old, not enough volunteers.**	
	Arn's Cabinets	Z	CTH ZZ to East County Line	Adam Arnoldussen	1530 Lamers Dr	Little Chute	WI	54140	920-788-6224	adamarnoldussen@outlook.com	1992		
	Friends of the 1000 Islands	Z – ZZ	Eagles Ct. to Nackers Road	Debra Nowak	1000 Beaulieu Ct	Kaukauna	WI	54130	920-759-5673	debra-thousandisland@new.rr.com	2006		
	The Family & Friends of Anna Marie Young	M	Spring Road South to Block before STH 96	Paula Young	W9094 R&D Road	Hortonville	WI	54944		young1579@sbcglobal.net	1997		
	Boy Scouts Troop 73	AA	Wisc. Ave. to CTH "OO"	Mark Vandenberg	3109 Shady Hollow Ct.	Appleton	WI	54913	991-8751 daytime	mvandenberg8@new.rr.com	1992		
	The Family of Phillip & Beulah Oskey	M	Carpenter Rd. – 2 mi south	Bridget Oskey	N8290 CTH M	Shiocton	WI	54170	920-525-5111	oskey@ceturytel.net	1999		
	Little Chute High School	N	CTH "OO" to STH 41	Nicholas Rankin	1402 Freedom Rd	Little Chute	WI	54140	20-788-7600 x-71	nrankin@littlechute.k12.wi	2001		
	Bubolz Nature Preserve	A	Hwy 41 to CTH "JJ" West	Dave Skiba	4815 N Lyndale Dr	Appleton	WI	54915	920-731-6041	dsjuba@bubolzpreserve.org	2007		
	Culver's of Darboy	KK	From 441 to Main St.	Glenda Woosley	3631 E Calumet	Appleton	WI	54915	920-574-2199	gwoodsley7702@gmail.com			
	In memory of Gary VanVonderen	E	CTH U to CTH EE	Karen Coffey	P.O. Box 906	Kaukauna	WI	54130	920-810-2763	s1581@yahoo.com			

OPEN	OPEN	A	STH 76 to Puls Road									
OPEN	OPEN	A	CTH “S” to Wege Road									
OPEN	OPEN	A	CTH S North to Hwy 47									
OPEN	OPEN	CB	CTH BB to Spencer Street									
OPEN	OPEN	CC	CTH “OO” to CTH “JJ”									
OPEN	OPEN	CE	CTH “Q” to Brown County									
OPEN	OPEN	E	CTH 'EE' TO CTH 'C'									
OPEN	OPEN	EE	Center Valley Road to Sievert Road									
OPEN	OPEN	G	Municipal Dr to Miller Rd									
OPEN	OPEN	G	Mainline Rd to CTH “Y”									
OPEN	OPEN	GV	Wisconsin Ave to CTH CB									
OPEN	OPEN	J	CTH “JJ” to Greiner Road									
OPEN	OPEN	KK	Speedway Lane to 2 miles east									
OPEN	OPEN	KK	STH 55 to Harwood Road									
OPEN	OPEN	OO	441 to Vandenbroek Road									
OPEN	OPEN	OO	Ballard to 441									
OPEN	OPEN	OO	CTH “AA” to Mason Street									
OPEN	OPEN	P	Thede Rd to STH 54									
OPEN	OPEN	S	Drier Road to STH 54									
OPEN	OPEN	S	STH 55 to CTH “C”									
OPEN	OPEN	S	CTH J to McCabe Road									
OPEN	OPEN	VV	From CTH U to CTH Y									
OPEN	OPEN	WW & D	45 to “D” & ½ mi N & S of “WW”									
OPEN	OPEN	ZZ	New Road to Outagamie Rd.									

Round-A-Bouts

OPEN	OPEN	CTH CE	& Eisenhower Dr.									
OPEN	OPEN	CTH CE	CTH HH (DeBruin Rd)									
OPEN	OPEN	CTH CA	CA & McCarthy									
OPEN	OPEN	CTH CA	CA & Mayflower									

OPEN	OPEN	CTH CB	CB & Atlantis									
		CTH CB	CTH CB & GV	Tom Green	P.O. Box 1487	Appleton	WI	4912-14	920-830-7259	tom.green@communityfirstcu.org	2011	
		CTH JJ/A	JJ at Edgewood Rd & Lynndale Dr.	Gene Dorn	2100 W Edgewood Dr	Appleton	WI	54913	920-734-9092	gdorn@d-dlandscape.com		
	Fox Valley Technical College	CTH AA	CTH AA @ Glen Park	Amy Van Straten	P.O. Box 2277	Appleton	WI	54912	920-735-2469	vanstrat@fvtc.edu		
	Fox Valley Technical College	CTH AA	CTH AA @ Tri Park	Amy Van Straten	P.O. Box 2277	Appleton	WI	54912	920-735-2469	vanstrat@fvtc.edu		
	Darboy Kiwanis	CTH N	Emons & Buchanan	Tim Handrich	N276 Gillan Ct	Appleton	WI	54915	920-540-5576	darboykiwanis@gmail.com		

Highway

2023 Sweepings
(((Trans.DateOut BETWEEN '2023-01-01' AND '2023-12-31')
AND (Trans.Void = 0)
AND (Accounts.CustomerType = 'landfill')
AND (Trans.BillAcct = '00102')
AND (vwMT.UserDisplay = '12 - Hwy/Sweepings')))

BillCompany	BillAcct	Count	NetSTN	DetailTotalFee
Outagamie County Highway Department	00102	14	179.79	$9,708.66
Grand Summaries				
		Sum = 14	Sum = 179.79	Sum = $9,708.66

Outagamie County Est. 1851

Highway Department

1313 Holland Road, Appleton, WI 54911-8947
Phone: (920) 832--5673 Fax: (920) 832--2032
Visit our website at www.outagamie.org

Find us on @Outagamie County Highway Department

Daily Street Sweeping Record

Date & Time

Date: 5-30

Start Time: 6:00

Stop Time: 4:00

Total Time: 10

Operator Name: Jaremy Kienetz

Location

Route/Road Name: 3mi County Rd N, 1mi Hwy 96, 2mi 1side County Rd OO

Municipality: _____

City (Town) Village (circle one)

In Urbanized Area? (see map) (Yes) No (circle one)

Begin Termini: N- began @ OO ended KK, 96 began N ended 55, OO began

End Termini: _____

Total Length: 6 Miles

anes Swept: 2

12 Lane Miles

ocation: O.C. Shop

3loads Tons

Outagamie County Est. 1851

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Highway Department
1313 Holland Road, Appleton, WI 54911-8947
Phone: (920) 832--5673 Fax: (920) 832--2032
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Daily Street Sweeping Record

Date & Time

Date: 5-31
Start Time: 5:00 AM
Stop Time: 4:00 PM
Total Time: 11 hrs.
Operator Name: Jeremy Kienetz

Location

Route/Road Name: Hwy 96 / Co. Rd OO
Municipality: Appleton / Little Chute
(City) Town Village (circle one)

In Urbanized Area? (see map): (Yes) No (circle one)

Begin Termini: 96- Badger Ave / OO- 55 North side
End Termini: 96- Casaloma / OO- Holland Rd N side
Total Length: [redacted] Miles 96- 2 miles OO 2 miles
Lanes Swept: 2 / 2
4 4 Lane Miles

Disposal

Disposal Location: O.C. Hwy
Amount: 4 loads Tons

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Daily Street Sweeping Record

Date & Time

Date: 6-1

Start Time: 9:30a

Stop Time: 5:45p

Total Time: 8¼

Operator Name: JK

Location

Route/Road Name: Black Creek

Municipality: Black Creek

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini

End Termini: ALL

Total Length: _____ Miles

Lanes Swept

_____ Lane Miles

Disposal

Disposal Location: _____

Amount _____ Tons

Outagamie County Est. 1851

Highway Department

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Daily Street Sweeping Record

Date & Time

Date: 6-5

Start Time: 5:00a

Stop Time: 5:45p

Total Time: 12 3/4

Operator Name: JK

Location

Route/Road Name: Hwy 96 / Co Rd S Accident

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Shop Appleton

Amount: _____ Tons

Outagamie County Est. 1851

Highway Department

1313 Holland Road, Appleton, WI 54911-8947
Phone: (920) 832--5673 Fax: (920) 832--2032
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Daily Street Sweeping Record

Date & Time

Date: 6-19

Start Time: 6:00 a

Stop Time: 4:00 p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: 96 until noon 00 From noon to 14

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: _____ Tons

Outagamie County Est. 1851

Highway Department

1313 Holland Road, Appleton, WI 54911-8947
Phone: (920) 832--5673 Fax: (920) 832--2032
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Daily Street Sweeping Record

Date & Time

Date	6-20
Start Time	12:00 p
Stop Time	4:00 p
Total Time	4
Operator Name	JK

Location

Route/Road Name	96 / Tempest Ct.
Municipality	

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini	
End Termini	
Total Length	Miles
# Lanes Swept	
	Lane Miles

Disposal

Disposal Location:	Appleton
Amount	Tons

Outagamie County Est. 1851

Highway Department

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Phone: (920) 832--5673 Fax: (920) 832--2032
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Daily Street Sweeping Record

Date & Time

Date: 6-26

Start Time: 5:00a

Stop Time: 5:46p

Total Time: 11 3/4

Operator Name: JK

Location

Route/Road Name: 96 / 47

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: _____ Tons

Outagamie County Est. 1851

Highway Department

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Daily Street Sweeping Record

Date & Time

Date: 6-27

Start Time: 5:30a

Stop Time: 10:00a

Total Time: 4½

Operator Name: _____

Location

Route/Road Name: Hwy 47

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Slop

Amount: _____ Tons

Outagamie County Est. 1851

Highway Department

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Daily Street Sweeping Record

Date & Time

Date: 6-26
Start Time: 7a
Stop Time: 2p
Total Time: 7
Operator Name: JK

Location

Route/Road Name: Hwy 47 / CO RD JJ
Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____
End Termini: _____
Total Length: _____ Miles
Lanes Swept: _____
_____ Lane Miles

Disposal

Disposal Location: Appleton Shop
Amount: _____ Tons

Outagamie County Est. 1851

Highway Department

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Daily Street Sweeping Record

Date & Time

Date 7-5

Start Time 6a

Stop Time 5p

Total Time 11

Operator Name JK

Location

Route/Road Name A, EE, JJ

Municipality _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini _____

End Termini _____

Total Length _____ Miles

Lanes Swept _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date 7-6

Start Time [redacted] 6a

Stop Time 2p

Total Time 8

Operator Name JK

Location

Route/Road Name _____

Municipality _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini _____

End Termini _____

Total Length _____ Miles

Lanes Swept _____

_____ Lane Miles

Disposal

Disposal Location: _____

Amount _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 7-10

Start Time: 6a

Stop Time: 4p

Total Time: [ ]

Operator Name: JK

Location

Route/Road Name: S, E

Municipality: Freedom

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: [ ] Tons

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Daily Street Sweeping Record

Date & Time

Date: 7-11

Start Time: 8a

Stop Time: 3p

Total Time: 7

Operator Name: JK

Location

Route/Road Name: Co Rd S

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Sl-gp

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 7-12

Start Time: 6a

Stop Time: 4p

Total Time: [ ]

Operator Name: _____

Location

Route/Road Name: Hwy 55 / CO RD EE

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: [ ] Tons

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Daily Street Sweeping Record

Date & Time

Date: 7-14
Start Time: 5a
Stop Time: 3p
Total Time:
Operator Name:

Location

Route/Road Name: EE, CE
Municipality:

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini:
End Termini:
Total Length: Miles
Lanes Swept:
Lane Miles

Disposal

Disposal Location: Appleton Shop
Amount: Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 7-17

Start Time: ~~6a~~

Stop Time: 4p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: CoRd00

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: _____

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 7-18
Start Time: 6a
Stop Time: 4p
Total Time: 10
Operator Name: JK

Location

Route/Road Name: CoRd00
Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____
End Termini: _____
Total Length: _____ Miles
Lanes Swept: _____
_____ Lane Miles

Disposal

Disposal Location: Appleton Shop
Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 7-19

Start Time: 6:00a

Stop Time: 4:00p

Total Time: [ ]

Operator Name: _____

Location

Route/Road Name: CoRd 00 / GV

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: [ ] Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date 7-20

Start Time 6a

Stop Time 2p

Total Time

Operator Name

Location

Route/Road Name CW

Municipality

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini

End Termini

Total Length Miles

Lanes Swept

Lane Miles

Disposal

Disposal Location:

Amount Tons

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Daily Street Sweeping Record

Date & Time

Date 7-24

Start Time 6:00

Stop Time 4:15

Total Time

Operator Name JK

Location

Route/Road Name

Municipality

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini

End Termini

Total Length Miles

Lanes Swept

Lane Miles

Disposal

Disposal Location:

Amount Tons

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Daily Street Sweeping Record

Date & Time

Date: 7-25

Start Time: 12:00a

Stop Time: 1000a

Total Time: 10

Operator Name: JK

Location

Route/Road Name: _____

Municipality: Ellington / CTH

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Shiocton

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 7-26

Start Time: 12:00a.

Stop Time: 10:00a

Total Time: [ ]

Operator Name: JL

Location

Route/Road Name: CTH

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Shiocton

Amount: [ ] Tons

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Daily Street Sweeping Record

Date & Time

Date 7-27

Start Time 12:00a

Stop Time 6:00a

Total Time

Operator Name JK

Location

Route/Road Name

Municipality Maple Creek / Deer Creek

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini

End Termini

Total Length Miles

Lanes Swept

Lane Miles

Disposal

Disposal Location: Shiocton

Amount Tons

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Daily Street Sweeping Record

Date & Time

Date: 7-31

Start Time: 5:00a - 3:00pm

Stop Time: 7:00 pm - 10:00pm

Total Time: [ ]

Operator Name: _____

Location

Route/Road Name: 15, 76, 54, 441

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton SL-6

Amount: [ ] Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-1

Start Time: 5:00 a

Stop Time: 2:00 p

Total Time: 9

Operator Name: JK

Location

Route/Road Name: CTH / Shop Lot

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-7

Start Time: 6:30a

Stop Time: 4:30p

Total Time: [ ]

Operator Name: JK

Location

Route/Road Name: Hwy 47 / CoRd CE

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: [ ] Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 4-3

Start Time: 5a

Stop Time: 3p

Total Time: ____

Operator Name: JK

Location

Route/Road Name: CE

Municipality: ____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: ____

End Termini: ____

Total Length: ____ Miles

Lanes Swept: ____

____ Lane Miles

Disposal

Disposal Location: Applaton

Amount: ____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 8-7

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JE

Location

Route/Road Name: AA/NC

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-4

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: CE/CoRdC

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-9

Start Time: 5a 7a → 441

Stop Time: 3p 10p

Total Time:

Operator Name: JR

Location

Route/Road Name: _____

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Scrap

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 8-10

Start Time: 5a

Stop Time: 10a

Total Time: 5

Operator Name: JC

Location

Route/Road Name: Hwy 96

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 8-15

Start Time: 11a

Stop Time: 3p

Total Time:

Operator Name: JK

Location

Route/Road Name: 96 / BB (inside)

Municipality:

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini:

End Termini:

Total Length: Miles

Lanes Swept:

Lane Miles

Disposal

Disposal Location: Appleton

Amount: Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-16

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: BB/CA/GV

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton SL-P

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date 8-17

Start Time 5a

Stop Time 3p

Total Time

Operator Name

Location

Route/Road Name GV/CA

Municipality

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini

End Termini

Total Length Miles

Lanes Swept

Lane Miles

Disposal

Disposal Location: Appleton

Amount Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 8-21

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: CA, CB, 54

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton Shop

Amount: _____ Tons

Outagamie County Esr. 1851

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Daily Street Sweeping Record

Date & Time

Date 9-28

Start Time 5a

Stop Time 3p

Total Time 10

Operator Name JK

Location

Route/Road Name 96 / GV

Municipality _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini _____

End Termini _____

Total Length _____ Miles

Lanes Swept _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-23

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: GV, E, EE

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-24

Start Time: 5a

Stop Time: 3p

Total Time: [ ]

Operator Name: JK

Location

Route/Road Name: GV, OO,

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton

Amount: [ ] Tons

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Daily Street Sweeping Record

Date & Time

Date: 4-24

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: GV, CB

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-29

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: A/JJ

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

Outagamie County Esc. 1851

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Daily Street Sweeping Record

Date & Time

Date: 8-30

Start Time: 5a

Stop Time: 3p

Total Time: [ ]

Operator Name: JK

Location

Route/Road Name: 96/TT/M

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: Appleton

Amount: [ ] Tons

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Daily Street Sweeping Record

Date & Time

Date: 8-31

Start Time: 5a

Stop Time: 2p

Total Time: 9

Operator Name: JK

Location

Route/Road Name: M / Hortonville Sweep

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Hortonville

Amount: _____ Tons

Outagamie County Est. 1851

Highway Department
1313 Holland Road, Appleton, WI 54911-8947
Phone: (920) 832–5673 Fax: (920) 832--2032
Visit our website at www.outagamie.org

Find us on @Outagamie County Highway Department

Daily Street Sweeping Record

Date & Time

Date: 9-5

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: 47/5

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 9-6

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JR

Location

Route/Road Name: S, O, C,

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

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Daily Street Sweeping Record

Date & Time

Date: 9-11

Start Time: 5a

Stop Time: 3p

Total Time:

Operator Name: JK

Location

Route/Road Name: 96, 76, 22, J

Municipality:

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini:

End Termini:

Total Length: Miles

Lanes Swept:

Lane Miles

Disposal

Disposal Location: Appleton

Amount: Tons

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Daily Street Sweeping Record

Date & Time

Date: 9-12

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: E/J

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: _____ Miles

Lanes Swept: _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date 9-13

Start Time 5a

Stop Time 3p

Total Time 10

Operator Name JK

Location

Route/Road Name J, M, MM

Municipality _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini _____

End Termini _____

Total Length _____ Miles

Lanes Swept _____

_____ Lane Miles

Disposal

Disposal Location: Appleton

Amount _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 9-14

Start Time: 5a

Stop Time: 3p

Total Time: [ ]

Operator Name: JL

Location

Route/Road Name: 441

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: [ ] Miles

Lanes Swept: _____

[ ] Lane Miles

Disposal

Disposal Location: _____

Amount: [ ] Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date 9-18

Start Time 5a

Stop Time 3p

Total Time

Operator Name JK

Location

Route/Road Name TT/T

Municipality

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini

End Termini

Total Length Miles

Lanes Swept

Lane Miles

Disposal

Disposal Location:

Amount Tons

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Daily Street Sweeping Record

Date & Time

Date: 9-19

Start Time: 5a

Stop Time: 3p

Total Time:

Operator Name: JK

Location

Route/Road Name: Co Rd F

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No (circle one)

Begin Termini: _____

End Termini: _____

Total Length: 2 Miles

Lanes Swept: 2

4 Lane Miles

Disposal

Disposal Location: _____

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 9-20

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: EE

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: E

End Termini: 12

Total Length: 16 Miles

Lanes Swept: 2

32 Lane Miles

Disposal

Disposal Location: Slop

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 9-21-23

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: JK

Location

Route/Road Name: Co Rd 21

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: 9 Miles

Lanes Swept: 2

18 Lane Miles

Disposal

Disposal Location: Shop

Amount: _____ Tons

Outagamie County Est. 1851

Find us on @Outagamie County Highway Department

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Daily Street Sweeping Record

Date & Time

Date: 9-25

Start Time: 5a

Stop Time: 3p

Total Time: 10

Operator Name: Jeremy K.

Location

Route/Road Name: Co Rd KK / Co Rd N

Municipality: Ellington

City Town Village
(circle one)

In Urbanized Area? (see map) Yes No
(circle one)

Begin Termini: _____

End Termini: _____

Total Length: 7 Miles

Lanes Swept: 2

14 Lane Miles

Disposal

Disposal Location: Shop

Amount: _____ Tons

Outagamie County Est. 1851

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Daily Street Sweeping Record

Date & Time

Date: 11/1

Start Time: 6:30

Stop Time: _____

Total Time: _____

Operator Name: _____

Location

Route/Road Name: Co Rd K

Municipality: _____

City Town Village
(circle one)

In Urbanized Area? (see map): (Yes) No
(circle one)

Begin Termini: ATCE

End Termini: To HH

Total Length: _____ Miles

Lanes Swept: 2 + Center

_____ Lane Miles

Disposal

Disposal Location: A Shop

Amount: 3 loads Tons

2023 ANNUAL REPORT



NORTHEAST WISCONSIN STORMWATER CONSORTIUM



2023 ANNUAL REPORT

NEWSC Mission:
To facilitate efficient implementation of stormwater programs locally and regionally that will meet DNR and EPA regulatory requirements and maximize the benefit of stormwater activities to the watershed by:

- Fostering partnerships
- Sharing Information
- Seeking Administrative Efficiency
- Pooling Financial Resources

The Northeast Wisconsin Stormwater Consortium was formed in 2005 as a subsidiary of the Fox-Wolf Watershed Alliance. The consortium is a collaborative of members with leadership elected annually from within its membership.

Northeast Wisconsin Stormwater Consortium

PO Box 1861
Appleton, Wi 54912

NEWSC Coordinator: Alyssa Reinke
Email: Alyssa@fwwa.org
Phone: (920)851-4336

2023
NEWSC Members

Brown County
Calumet County
Fond du Lac County
Outagamie County
Winnebago County

City of Appleton
City of De Pere
City of Fond du Lac
City of Green Bay
City of Kaukauna
City of Manitowoc
City of Marinette
City of Menasha
City of Neenah
City of Oshkosh
City of Two Rivers

Town of Algoma
Town of Black Wolf
Town of Buchanan
Town of Clayton
Town of Fond du Lac
Town of Friendship
Town of Grand Chute
Town of Lawrence
Town of Ledgeview
Town of Neenah
Town of Omro
Town of Scott
Town of Taycheedah
Town of Vinland

Village of Allouez
Village of Ashwaubenon
Village of Bellevue
Village of Combined Locks
Village of Eden
Village of Fox Crossing
Village of Greenville
Village of Harrison
Village of Hobart
Village of Howard
Village of Kimberly
Village of Little Chute
Village of N. Fond du Lac
Village of Sherwood
Village of Suamico

University of WI – Oshkosh

AECOM
Ayres Associates
Brown & Caldwell
Cedar Corporation
Contech Construction
County Materials
Davel Engineering
Mach IV Engineering & Surveying
Martenson & Eisele
Mau & Associates
McMAHON Group
Mead & Hunt
MSA Professional Services
raSmith
Robert E. Lee Associates
Ruekert & Mielke
Westwood Professional Services

NEWSC

Renew Our Waters

Every choice counts.

ANNUAL REPORT PART 2: STORMWATER PROGRAM EVALUATION - MINIMUM CONTROL MEASURES MCM #1 PUBLIC EDUCATION & OUTREACH

Topic #1: Illicit Discharge Detection & Elimination

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Carpet Cleaning Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Professional-Carpet-Cleaning.pdf
Carpet Cleaning Website	http://www.renewourwaters.org/carpet-cleaning-2/
Carpet Cleaning Website Updated	https://fwwa.org/2023/01/18/carpet-cleaning/
Greenhouses, Garden Centers, & Nurseries Fyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Garden-Centers.pdf
Professional Power Washing Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Power-washing-for-the-professional-washer.pdf
Power Washing Website	http://www.renewourwaters.org/power-washing/
Concrete Washout Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Concrete-Washout.pdf
Construction Site Erosion & Sediment Control	http://www.renewourwaters.org/wp-content/uploads/2019/07/Construction-BMPs-Erosion-Sediment-Control.pdf
Dumpster Management Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Dumpster-Management-bilingual-pamphlet.pdf
Dumpster Managment Poster	https://drive.google.com/file/d/1736Sg155_XWFND0kH4nHq1MQowgiuD8_/view?usp=sharing
Parking Lot Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Parking-Lot-BMP.pdf

Did you have inspectors in your community stop by any businesses this year?
Did they do illicit discharge inspections and meet with area businesses about illicit discharge?
If so, you can record those interactions as active outreach.

MCM #1 PUBLIC EDUCATION & OUTREACH

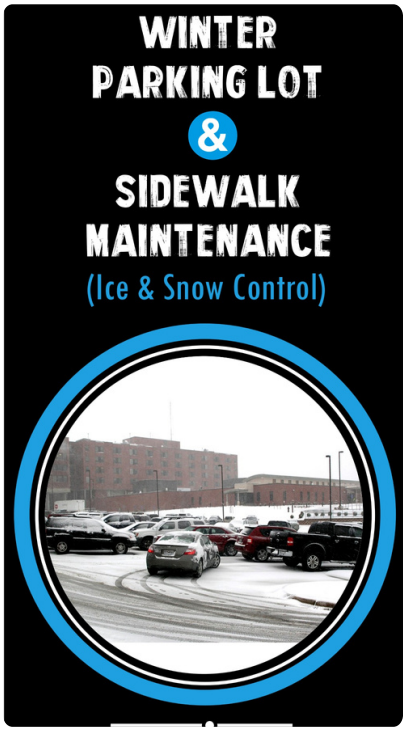
Topic #1: Illicit Discharge Detection & Elimination

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Parking Lot Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Parking-Lot-BMP.pdf
Winter Parking Lot Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/11/Parking-Lot-Maintenance-Winter-BMPs.pdf
Fish Don't Swim in Chlorine Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Pool-Spa-Discharge.pdf
Fish Don't Swim in Chlorine Website	http://www.renewourwaters.org/pools-and-spas/
Fish Don't Swim in Chlorine Website Updated	https://fwwa.org/2023/01/18/fish-dont-swim-in-chlorine-2/





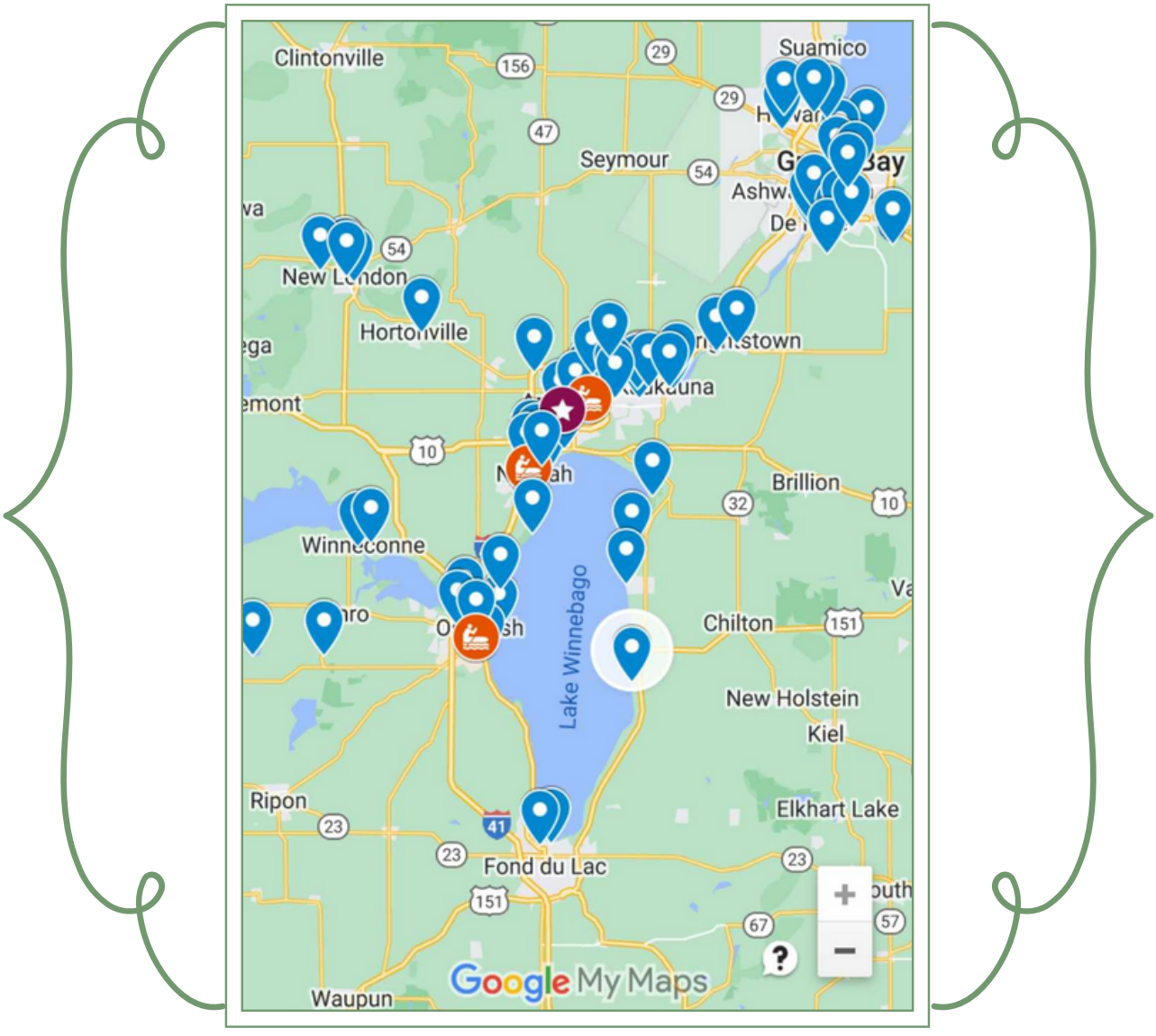


Did you have inspectors in your community stop by any businesses this year?
Did they do illicit discharge inspections and meet with area businesses about illicit discharge?
If so, you can record those interactions as active outreach.

NEWSC ACTIVE PRESENTATION DELIVERY ON BEHALF OF MEMBERS: ANNUAL WATERSHED CLEANUP - IDDE EDUCATION FOR VOLUNTEERS

Fox-Wolf Watershed Alliance hosts Northeast Wisconsin's largest volunteer trash cleanup May 6, 2023. We continue to add sites every year. Over 1,600 volunteers joined us in 2023 to clean up over 65 public sites in our watershed. Volunteers started the morning by meeting at their assigned sites, with their site leaders. They learn about trash collection and pollution (illicit discharge) in addition to how to properly retrieve, collect, and dispose of it. After the cleanup, trash weights are totaled and volunteers join us for our annual Cleanup Picnic. Fox-Wolf staff work the event to assist in the fun activities, but also to interact and educate the participants.

There are 65+ cleanup sites located along the Fox River, the Wolf River, Lake Butte des Morts, Lake Winnebago, Lake Winneconne, the East River, the bay of Green Bay, and more throughout the Fox-Wolf River Basin. If your community would like a site added for 2024, contact Sharon (CleanUp@fwwa.org). Sites should have public access. Communities are asked to provide a site leader for the 1st year.



***Additional data and volunteer trash totals can be found under MCM #2 Public Involvement and Participation (Volunteer Activities)**

NEWSC ACTIVE PRESENTATION DELIVERY ON BEHALF OF MEMBERS: ANNUAL WATERSHED CLEANUP - IDDE EDUCATION FOR VOLUNTEERS CONTINUED

***Total number of active education participants by community

Municipality	Number of Volunteers
Allouez	19
Appleton	196
Brown County	71
Calumet County	48
Combined Locks	41
De Pere	42
Fond du Lac	98
Fox Crossing	20
Grand Chute	11
Green Bay	114
Hortonville	52
Howard	23
Kaukauna	76
Kimberly	63
Ledgeview	38
Little Chute	56
Menasha	76
Neenah	118
New London	35
Oshkosh	226
Winnebago County	87
Winneconne	43
Wrightstown	24







NEWSC ACTIVE PRESENTATION DELIVERY ON BEHALF OF MEMBERS: 2023/2024 CHLORIDE MONITORING - IDDE EDUCATION FOR VOLUNTEERS

Chloride volunteers were trained and received active participation education. During trainings, participants learned about chlorides and their impact on our waterways, proper winter salting/maintenance practices, and Documentation numbers are below and detailed data and photos can be found on the Google Map.
https://www.google.com/maps/d/u/0/viewer?mid=1hBOxrw1PIrzz9bsalgCTdElFGvjdrM0&ll=44.371693999171775%2C-88.29907499999997&z=8

Virtual/Online training recording:
https://drive.google.com/file/d/1km9X-ez1lStSyE5hVRooJNMlkq7hF4Qr/view?usp=sharing

*Total number of active education participants by community

Municipality	Number of Active Education Volunteers
Brown County	2
Fond du Lac County	1
Outagamie County	3
Winnebago County	1
City of Fond du Lac	2
City of Green Bay	1
City of Menasha	1
City of Oshkosh	2

Municipality	Number of Active Education Volunteers
Town of Algoma	1
Town of Grand Chute	1
Town of Ledgeview	1
Town of Neenah	1
Town of Vinland	1
Village of Fox Crossing	1
Village of Harrison	1
Village of Howard	1

***Additional data and volunteer totals can be found under MCM #2 Public Involvement and Participation (Volunteer Activities)**

Topic #2: Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Household Hazardous Waster Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Household-Hazardous-Waste.pdf
Hazardous Waste Website	https://www.renewourwaters.com/our-pets-our-waters/
Household Hazardous Waste Website Updated	https://fwwa.org/2023/01/18/household-hazardous-waste/
Carpet Cleaning Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/carpet-cleaning.pdf
Carpet Cleaning Website	http://www.renewourwaters.org/carpet-cleaning-2/
Carpet Cleaning Website Updated	https://fwwa.org/2023/01/18/carpet-cleaning/
Kids Can Help Too Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Kids-can-help-too.pdf
Kids Can Help Too Website	http://www.renewourwaters.org/kids-can-help-too-3/
Kids Can Help Too Website Updated	https://fwwa.org/2023/01/18/kids-can-help-too/
Good Dog, Good Owner Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Good-Dog-Good-Owner.pdf
Good Dog, Good Owner Website	http://www.renewourwaters.com/our-pets-our-waters/
Good Dog, Good Owner Website Update	https://fwwa.org/2023/01/18/good-dog-good-owner/
Good Dog, Good Owner Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/Good-Dog-Good-Owner-Web-Ready.png

***Did you exhibit or do any community presentations that hit on these topics? If so, you can record those interactions as active outreach.**

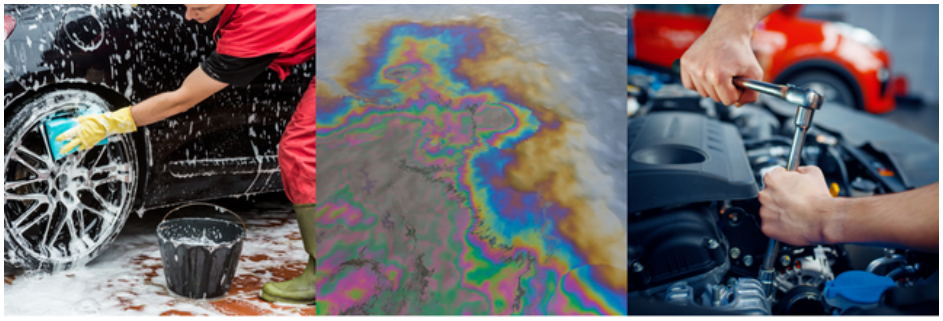
Did you issues dog licenses? If you do and you talked with residents about proper pet waste management you can claim that interaction as active education.

Did you host a household hazardous waste collection day? If you did and you talked with residents about impacts of improper disposal, count this as active outreach.

Topic #2: Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing Continued

Power Washing Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Power-Washing-Home.pdf
Power Washing Website	http://www.renewourwaters.org/power-washing/
Fish Don't Swim in Chlorine Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Pool-Spa-Discharge.pdf
Fish Don't Swim in Chlorine Website	http://www.renewourwaters.org/pools-and-spas/
Fish Don't Swim in Chlorine Website Updated	https://fwwa.org/2023/01/18/fish-dont-swim-in-chlorine-2/
Vehicle Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Vehicle-Maintenance.pdf
Vehicle Maintenance Website	http://www.renewourwaters.org/vehicle-maintenance-2/
Vehicle Maintenance Website Updated	https://fwwa.org/2023/01/18/vehicle-maintenance/
Car Washing Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/Car-on-GrassSM.jpg

In 2023, we started to update and reformat a lot of our content. If you did not see our new website for Renew Our Waters, please check it out. There is still content being added in 2024.
https://fwwa.org/what-we-do/renew-our-waters/
Additionally, NEWSC educational flyers can be found through the member portal.
https://fwwa.org/what-we-do/newsc/newsc-member-resources/



***Did you exhibit or do any community presentations that hit on these topics? If so, you can record those interactions as active outreach.**
Do you issue permits for pools? If you do and you talked with residents about pool or spa discharge you can claim that interaction as active education.

Topic #3: Yard Waste Management/Pesticide and Fertilizer Application

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.



Leave Your Leaves on Land Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Leave-Your-Leaves-on-Land.pdf
Leave Your Leaves on Land Website	http://www.renewourwaters.org/leave-your-leaves-on-land/
Leave Your Leaves on Land Website Updated	https://fwwa.org/2023/09/26/leaveyourleavesonland/
The Perfect Lawn Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Perfect-Lawn.pdf
The Perfect Lawn Website	https://www.renewourwaters.org/the-perfect-lawn-3/
Perfect Landscapes Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Pefect-Landscape-7.9.19.pdf
Perfect Landscapes Website	http://www.renewourwaters.org/the-perfect-landscape/
Perfect Landscapes Website Updated	https://fwwa.org/2023/01/18/the-perfect-landscape/
Kids Can Help Too Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Kids-can-help-too.pdf
Kids Can Help Too Website	http://www.renewourwaters.org/kids-can-help-too-3/
Kids Can Help Too Website Updated	https://fwwa.org/2023/01/18/kids-can-help-too/

***Did you exhibit or do any community presentations that hit on these topics?**
If so, you can record those interactions as active outreach.
Do you have a yard waste disposal site or require a permit/pass? If you do and you talked with residents about yard waste management you can claim that interaction as active education.

Topic #3: Yard Waste Management/Pesticide and Fertilizer Application Continued

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Ice & Snow Control Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Leave-Your-Leaves-on-Land.pdf
Ice & Snow Control Website	http://www.renewourwaters.org/ice-and-snow-control-3/
Ice & Snow Control Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/leaf-collection.jpg
Sweep Grass Clippings Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/grassclippingsROW.jpg

***Did you exhibit or do any community presentations that hit on these topics?**
If so, you can record those interactions as active outreach.



In 2023, we started to update and reformat our content. If you did not see our new website for Renew Our Waters, please check it out. There is still content being added in 2024. Please note, the links to the previous Renew Our Waters website will become inactive in 2024. If you link to the old site on any of your pages, make sure to update these in 2024.

https://fwwa.org/what-we-do/renew-our-waters/

Additionally, NEWSC educational flyers can be found through the member portal.

https://fwwa.org/what-we-do/newsc/newsc-member-resources/

Topic #4: Stream and Shoreline Management

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Restore Your Shore Flyer	https://drive.google.com/file/d/1Qcel0qumtuyfu204Qg9kMFa1BSZjb4DA/view?usp=sharing

***Did you meet with homeowners to educate them on streambank erosion and BMPs to reduce erosion? You can record these discussions as active outreach.**

Topic #5: Residential Infiltration

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Rain Barrel Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/04/Rain-Barrels-Handout.pdf
Rain Barrel Website	http://www.renewourwaters.org/rain-barrels/
Rain Barrel Website Updated	https://fwwa.org/2023/01/18/rain-barrels-2/
The Perfect Lawn Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Perfect-Lawn.pdf
The Perfect Lawn Website	https://www.renewourwaters.org/the-perfect-lawn-3/
Perfect Landscapes Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Pefect-Landscape-7.9.19.pdf
Perfect Landscapes Website	http://www.renewourwaters.org/the-perfect-landscape/
Perfect Landscapes Website Updated	https://fwwa.org/2023/01/18/the-perfect-landscape/
Grass Clippings Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/grassclippingsROW.jpg

***Did you host a rain barrel workshop? If so, claim active outreach for this topic.**

Topic #6: Construction Sites/Post Construction Stormwater Management

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue. If used in the in the manner above: Delivery Mechanism would be passive.

Stormwater & the Construction Industry Poster	http://www.renewourwaters.org/wp-content/uploads/2019/07/Construction-BMPs-Erosion-Sediment-Control.pdf
Erosion & Sediment Control Pocket Field Guide	https://drive.google.com/file/d/1TBtgl61znizXDZyLoDRVRVNhxThD40kH/view?usp=sharing

***Did you have active discussions regarding construction site erosion control? If you used these materials or other educational materials and had meetings/trainings (even 1 on 1 meetings with builders/contractors/inspectors) then you can record that interaction as an active outreach. This training may have included the NEWSC Excal Video below.**

Excal Visual Videos on Erosion Control available for member checkout in 2023

"Ground Control" – Stormwater for Construction BMPs

This employee training kit is designed to show employees how erosion, sediments and other potential surface water pollutants are controlled at construction sites. The program focuses on Best Management Practices (BMPs) that are widely used at most construction sites including: silt fence, stabilized entrances/exits, drop inlet protectors and others. The program illustrates how these BMPs work and how they can fail. (14 minutes)
Click here to preview from Excal Visual's site:
https://www.excalvisual.com/ground-control-extended-preview

BMP Master List

The purpose of the Stormwater Quality Management BMP master list is to allow MS4 and Public Works managers to easily search available stormwater and erosion control BMPs based on target pollutants, WDNR Technical Standards, and keywords. The master list provides insight into the benefits and limitations of each BMP, allowing the user to have a brief understanding of each device to help guide decision making when implementing or reviewing projects. The spreadsheet can be found on the NEWSC member resources page on newsc.org and HERE.

Model Ordinance Reference Guides

NEWSC's Construction Site Erosion Control Reference Guide and Post-Construction Pollution Control Reference Guide – the companion documents to NEWSC's model ordinances – have been updated and are available for member use. The documents can be found on the NEWSC member resources page on newsc.org.

TOPIC #7: POLLUTION PREVENTION

The resources below were created by NEWSC and are available for NEWSC members to print and post by time clocks for training municipal staff. If used in the manner above: Delivery Mechanism would be passive.

Fleet Maintenance	https://drive.google.com/file/d/1fIRY40S5nhHZU_7cIwGTHtDfwgLt7wbu/view?usp=sharing
Land Disturbances	https://drive.google.com/file/d/1VujZccTojAWZhjVcp4e6A9HytWjVAkGu/view?usp=sharing
Materials Storage and Spill Cleanup	https://drive.google.com/file/d/1J_2_SuMYXwmOsqdpsdIlNR_0klJ3qKMu/view?usp=sharing
Parks and Ground Maintenance	https://drive.google.com/file/d/14r436EKrJM44x_iPgioWXFrspmqbTVAq/view?usp=sharing
Solid Waste Operations	https://drive.google.com/file/d/1r2gimtAsRanIpxSCevFntWMJwI5Z5tMS/view?usp=sharing
Street and Drainage Maintenance	https://drive.google.com/file/d/1KtikoiyMCIPVBhv5VOhYERUlrH52NFXo/view?usp=sharing

Municipal Staff PSAs

Mowing	https://drive.google.com/file/d/1h-tz-pzbTow-xMelISeG30YkN_L-uERr/view?usp=drive_link
Leaf Collection	https://drive.google.com/file/d/1ZSndB33w39XudANHWeTFRcaRjqaP144C/view?usp=sharing
Salt, Brine, & Sand	https://drive.google.com/file/d/1W8GWi9CTSsTd1NbzfS2UQp5rxSXYea_P/view?usp=sharing

***Did you have active pollution prevention trainings? If you used these materials or other educational materials and had meetings/trainings, then you can record that interaction as an active outreach.**
These trainings may have included the NEWSC Excal Videos below.
Did you talk about any of the Municipal Staff PSAs with any employees, at a team meeting, or during a “tool box talk”?

Topic #7: Pollution Prevention Continued

Excal Visual Videos on Pollution Prevention available for member checkout in 2023

"Rain Check" - Stormwater Pollution Prevention for MS4s Regulated municipalities and other municipal separate storm sewer system (MS4) operators must prevent pollutants from entering their storm drainage systems. One element of this requirement is preventing stormwater pollution by municipal facilities such as fleet maintenance shops, bus barns, sanitation facilities, parks and street sweeping operations. This program shows employees how to practice good housekeeping, spill response, materials management, vehicle fueling and washing and the other BMPs profiled in the "National Menu". {Program versions run between: 19 -and up to- 31 minutes)" Click here to preview from Excal Visual's site: https://www.excalvisual.com/swrc-extended-preview	**"Storm Warnings" - Stormwater Pollution Prevention** This training kit is designed to provide general awareness training to employees and contractors about stormwater pollution prevention. It describes Best Management Practices (BMPs) that are useful and important at a wide range of regulated facilities. It covers good housekeeping and other BMPs that help protect stormwater run-off. The kit includes a template to guide the trainer through creating site specific training to use in addition to the general training in the video. (18 minutes) Click here to preview from Excal Visual's site: https://www.excalvisual.com/storm-warning-extended-preview



TOPIC #8: GREEN INFRASTRUCTURE/LOW IMPACT DEVELOPMENT

NEWSC will be gathering resources for members to use going forward in 2024.
***Did you have active discussion with elected officials or developers about low impact residential design? If you had meetings/trainings or provided presentations on the topic, then you can record that interaction as an <u>active outreach.</u>**

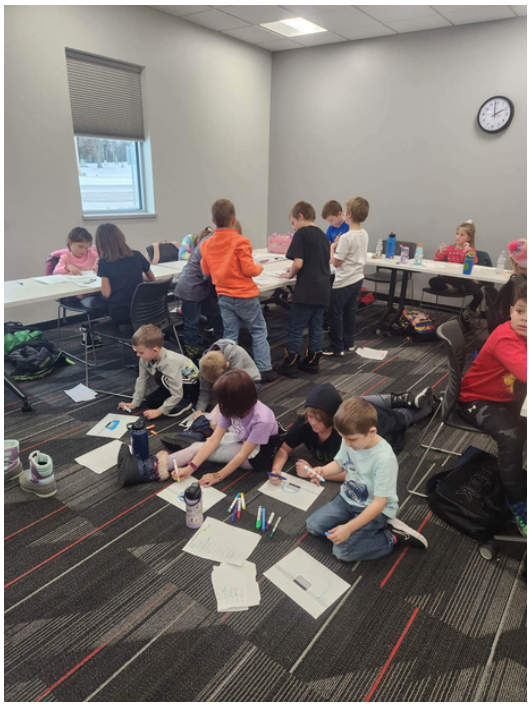
ACTIVE OUTREACH THAT COVERS MULTIPLE TOPICS

The presentations and exhibiting events on the pages that follow can count towards active delivery of any of the topics identified in the table associated with the presentation.

2023 School Presentations

Stormwater Topic:	**Discussed?**	**Stormwater Topic:**	**Discussed?**
Illicit Discharge Detection & Elimination	YES	Residential Infiltration	YES
Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	YES	Construction Sites and Post Construction Stormwater Management	YES
Yard Waste Management/Pesticide and Fertilizer Application	YES	Pollution Prevention	YES
Stream and Shoreline Management	YES	Green Infrastructure/Low Impact Development	NO







2023 School Presentations Continued

The following presentations were provided in classrooms or virtually in NEWSC communities throughout the Fox-Wolf River Basin in 2023. These lessons covered watershed basics, how we use water, water quality, stormwater runoff pollution, floodplains, water quantity issues, green infrastructure, and tips for students and parents for reducing and preventing polluted stormwater runoff. Tools used for providing this education include: EnviroScape model, Ward's Floodplain model, stormwater find-it jars, stormwater runoff plinko, and templates for designing storm drain murals.

Name of School/School Event	Date of Presentation	Number of Approximate Reach
Oshkosh North High School	2/15/2023	60
Black Creek Elementary Middle School	9/27/2023	35
Xavier Middle School, Appleton	9/27/2023	111
Horizons Elementary School, Appleton	9/27/2023	88
Columbus, Appleton	9/27/2023	20
St. Peters Lutheran	9/27/2023	29
River View Middle School, Kaukauna	9/28/2023	300



Outagamie County Conservation Field Days

- 9/27/2023; approximate reach 303
- 9/28/2023; approximate reach 341



2023 NEWSC Exhibiting

The presentations and exhibiting events on the pages that follow can count towards active delivery of any of the topics identified in the table associated with the presentation.

Stormwater Topic:	**Discussed?**	**Stormwater Topic:**	**Discussed?**
Illicit Discharge Detection & Elimination	YES	Residential Infiltration	YES
Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	YES	Construction Sites and Post Construction Stormwater Management	NO
Yard Waste Management/Pesticide and Fertilizer Application	YES	Pollution Prevention	YES
Stream and Shoreline Management	YES	Green Infrastructure/Low Impact Development	NO



2023 Exhibiting







Municipality	Date	Number of Contacts
Calumet County	6/25/2023	183
City of Menasha	11/9/2023	60
City of Appleton	8/15/2023	10
City of De Pere	8/30/2023	18
City of Fond du Lac	6/11/2023	108
City of Fond du Lac	6/10/2023	358
City of Green Bay	6/17/2023	9
City of Green Bay	3/24/2023	11
City of Kaukauna	9/23/2023	55
City of Oshkosh	4/13/2023	8
City of Oshkosh	3/17/2023	20
City of Oshkosh	1/25/2023	12
Town of Clayton	8/19/2023	83
Town of Grand Chute	8/1/2023	105
Town of Ledgeview	4/4/2023	32
University of Wisconsin Oshkosh	10/11/2023	15
Village of Ashwaubenon	8/12/2023	64
Village of Combined Locks	8/26/203	102
Village of Kimberly	10/20/2023	1500

NEWSC 2024-2025 Exhibiting List

NEWSC member communities are included in an annual exhibiting plan once during the 5 year permit cycle. Communities planned for 2024 and 2025 are listed below:

2024	2025
City of Fond du Lac	City of Green Bay
City of Two Rivers	City of Menasha
Outagamie County	Calumet County
City of De Pere	Village of Combined Locks
City of Manitowoc	Village of Hobart
City of Neenah	Village of Little Chute
Town of Vinland	Town of Black Wolf
Town of Omro	Town of Fond du Lac
Village of Little Chute (2023)	
Village of Suamico (2023)	
Brown County (2023)	

<u>To ensure your space is reserved NEWSC members must:</u>

1. **Contact the Outreach Coordinator by March 30** of the year you are scheduled with the name of the event, date of the event, and the contact information for the event organizer that you would like the Outreach Coordinator to be a part of.
2. Work with the Outreach Coordinator and the event organizer to ensure acceptance of NEWSC participation at the event. The NEWSC member must pay any exhibiting fees (if applicable) for the event. For most community events, NEWSC members are able to coordinate with the event host for a free exhibiting space, if the event chosen does not waive exhibiting fees for the community, those fees are the responsibly of the NEWSC member.

If communities do not schedule the Outreach Coordinator to participate by March 30, invitations to the Outreach Coordinator from other communities for events will be entertained and all will be accepted as time is available on a first come first serve basis. If the Outreach Coordinator is unable to exhibit in your community due to workload or date of event, NEWSC members may check out exhibiting materials from NEWSC. Promotional materials will be provided as part of the exhibiting display if NEWSC has promotional items to hand out.



PASSIVE OUTREACH THAT COVERS MULTIPLE TOPICS

NEWSC Media Continued by Topic

Topic #1: Illicit Discharge Detection & Elimination

2023 Totals

Facebook:
Likes: 398
Shares:196
Followers: 5.079

Instagram:
Likes:170
Followers: 1,083

Topic#1 Total

Facebook:
Likes: 203
Shares: 72

Date	Topic	Likes	Shares	Link
1/12/2023	Salt	11	5	https://www.facebook.com/photo/?fbid=545314397783392&set=a.189201083394727
1/13/2023	Salt	6	2	https://www.facebook.com/photo/?fbid=538728978441934&set=a.189201083394727
1/14/2023	Salt	50	5	https://www.facebook.com/photo/?fbid=527852029529629&set=a.189201083394727
1/15/2023	Salt	3	0	https://www.facebook.com/photo/?fbid=520330486948450&set=a.189201083394727
2/9/2023	Watersheds	15	5	https://www.facebook.com/foxwolfriver/posts/pfbid0d7iz2hD2neXiQ4hq6crHG4J5UGPJECTJksvdNWpb3PsnnTWjXH4Pv7xq67mBjnvRl
2/20/2023	Carpet Cleaning	3	3	https://www.facebook.com/foxwolfriver/posts/pfbid028okTXbWTADZ7jZbd5YUBCoNSjdnwqH4bhwnqSGjpm1MTK4rSRoVFToLQddEuERBHl
3/22/2023	Protect Our Waters	11	4	https://www.facebook.com/photo/?fbid=527852029529629&set=a.189201083394727
4/24/2023	Trash	10	2	https://www.facebook.com/photo/?fbid=545314397783392&set=a.189201083394727
5/23/2023	Watersheds	2	1	https://www.facebook.com/photo/?fbid=561599219488243&set=a.189201083394727
6/23/2023	Fireworks	4	3	https://www.facebook.com/photo/?fbid=578774857770679&set=a.189201083394727
7/2/2023	Fireworks	4	3	https://www.facebook.com/photo/?fbid=583670827281082&set=a.189201083394727
7/27/2023	Storm Drains	4	4	https://www.facebook.com/photo/?fbid=596710952643736&set=a.189201083394727
7/31/2023	Pools & Spas	10	3	https://www.facebook.com/photo/?fbid=598496189131879&set=a.189201083394727

***Did you share any of these Facebook posts through your communities Facebook account? If so, you can record those as passive outreach.**

NEWSC Media by Topic

Facebook:
Likes: 203
Shares: 72

Topic #1: Illicit Discharge Detection & Elimination Continued

Date	Topic	Likes	Shares	Link
8/1/2023	Stormwater 101	4	1	https://www.facebook.com/foxwolfriver/posts/pfbid02jdvEeYbW8zmEmp2ZvKZj8YToVjXWzvvxW3TowcfanC14Rno62Nw6bEULQui2EsBSl
8/5/2023	Stormwater Week	8	6	https://www.facebook.com/photo/?fbid=601421268839371&set=a.189201083394727
8/7/2023	Watersheds & Runoff	4	1	https://www.facebook.com/foxwolfriver/posts/pfbid0257hRo8b5iLpiTWZ73JjvWSBhHq1jrvUWKvaW66oPmPdxLp8UYamvjwCdGvaLp2NZl
8/11/2023	Storm Drains 101	3	0	https://www.facebook.com/photo/?fbid=604333061881525&set=a.189201083394727
10/9/2023	Trash	9	2	https://www.facebook.com/photo/?fbid=634621502186014&set=a.189201083394727
10/31/2023	Storm Drains	9	3	https://www.facebook.com/photo/?fbid=646522444329253&set=a.189201083394727
11/10/2023	Chloride Monitoring	19	7	https://www.facebook.com/photo/?fbid=651687117146119&set=a.189201083394727
11/28/2023	Trash/Litter	3	1	https://www.facebook.com/photo/?fbid=660813026233528&set=a.189201083394727
12/13/2023	Winter Maintenance	11	11	https://www.facebook.com/photo/?fbid=668521438796020&set=a.189201083394727







***Did you share any of these Facebook posts through your communities Facebook account? If so, you can record those as passive outreach.**

NEWSC Media by Topic

Topic #2:Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing

Facebook:
Likes: 123
Shares: 58

Date	Topic	Likes	Shares	Link
2/9/2023	Watersheds	15	5	https://www.facebook.com/foxwolfriver/posts/pfbid0d7iz2hD2neXiQ4hq6crHG4J5UGPJECTJksvdNWpb3PsnnTWjXH4Pv7xq67mBjnvRl
2/20/2023	Carpet Cleaning	3	3	https://www.facebook.com/foxwolfriver/posts/pfbid028okTXbWTADZ7jZbd5YUBCoNSjdnwqH4bhwnqSGjpm1MTK4rSRoVFToLQddEuERBHl
3/8/2023	Pet Waste	8	18	https://www.facebook.com/photo/?fbid=520330486948450&set=a.189201083394727
3/22/2023	Protect Our Waters	11	4	https://www.facebook.com/photo/?fbid=527852029529629&set=a.189201083394727
4/12/2023	Household Hazardous Waste	4	10	https://www.facebook.com/photo/?fbid=538728978441934&set=a.189201083394727
4/28/2023	Household Hazardous Waste	3	0	https://www.facebook.com/photo/?fbid=547464947568337&set=a.189201083394727
5/23/2023	Watersheds	2	1	https://www.facebook.com/photo/?fbid=561599219488243&set=a.189201083394727
6/23/2023	Fireworks	4	3	https://www.facebook.com/photo/?fbid=5787748577706 79&set=a.189201083394727
7/2/2023	Fireworks	4	3	https://www.facebook.com/photo/?fbid=583670827281082&set=a.189201083394727
7/21/2023	Vehicle Washing	6	2	https://www.facebook.com/photo/?fbid=593768889604609&set=a.189201083394727
7/27/2023	Storm Drains	4	4	https://www.facebook.com/photo/?fbid=596710952643736&set=a.189201083394727

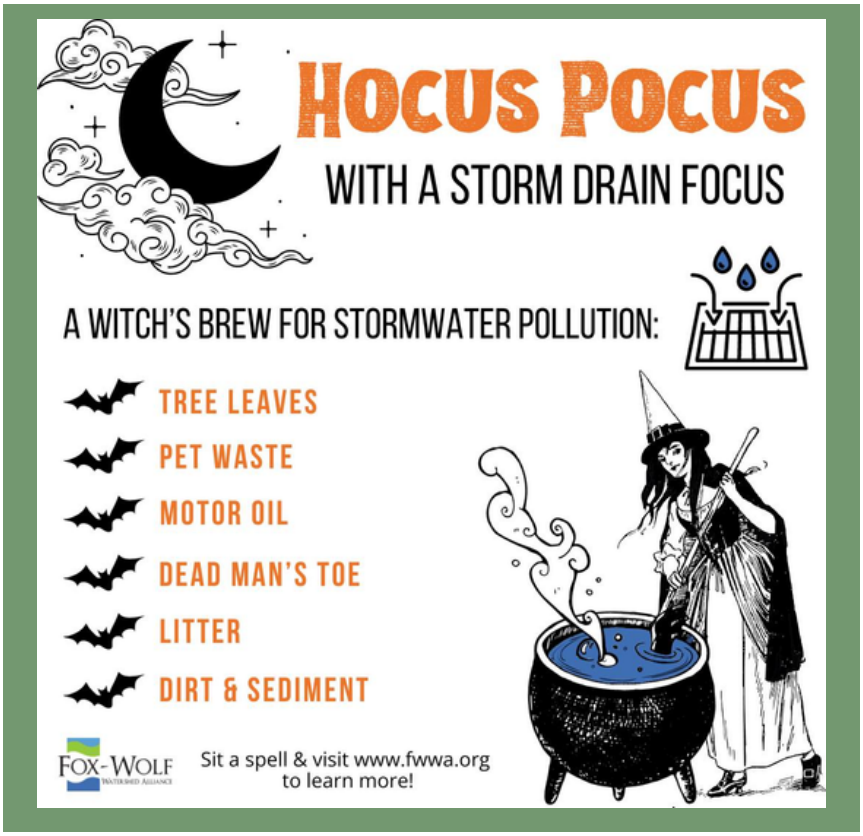
***Did you share any of these Facebook posts through your communities Facebook account? If so, you can record those as passive outreach.**

NEWSC Media Continued by Topic

Topic #2:Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing Continued

Facebook:
Likes: 123
Shares: 58

Date	Topic	Likes	Shares	Link
8/1/2023	Stormwater 101	4	1	https://www.facebook.com/foxwolfriver/posts/pfbid02jdvEeYbW8zmEmp2ZvKZj8YToVjXWzvvxW3TowcfanC14Rno62Nw6bEULQui2EsBSl
8/7/2023	Watersheds & Runoff	4	1	https://www.facebook.com/foxwolfriver/posts/pfbid0257hRo8b5iLpiTWZ73JjvWSBhHq1jrvUWKvaW66oPmPdxLp8UYamvjwCdGvaLp2NZl
8/11/2023	Storm Drains 101	3	0	https://www.facebook.com/photo/?fbid=604333061881525&set=a.189201083394727
10/2/2023	School Presentations	39	0	https://www.facebook.com/photo/?fbid=634621502186014&set=a.189201083394727
10/31/2023	Storm Drains	9	3	https://www.facebook.com/photo/?fbid=646522444329253&set=a.189201083394727



***Did you share any of these Facebook posts through your communities Facebook account? If so, you can record those as passive outreach.**

NEWSC Media by Topic

Topic #3: Yard Waste Management/Pesticide and Fertilizer Application

Facebook:
Likes: 83
Shares: 73

Date	Topic	Likes	Shares	Link
5/8/2023	Grass	28	26	https://www.facebook.com/photo/?fbid=553111050337060&set=a.189201083394727
5/26/2023	Spring Fertilizer	6	3	https://www.facebook.com/photo/?fbid=563133106001521&set=a.189201083394727
6/5/2023	Landscaping	9	3	https://www.facebook.com/photo/?fbid=568703508777814&set=a.189201083394727
8/9/2023	Lawn Care (Grass)	8	1	https://www.facebook.com/photo/?fbid=603230935325071&set=a.189201083394727
8/10/2023	Leaves & Streets	4	0	https://www.facebook.com/photo/?fbid=603674405280724&set=a.189201083394727
8/10/2023	Leaves 101	5	0	https://www.facebook.com/photo/?fbid=603911565257008&set=a.189201083394727
9/25/2023	Leaves	12	26	https://www.facebook.com/photo/?fbid=627327342915430&set=a.189201083394727
10/12/2023	Leaves	8	14	https://www.facebook.com/photo/?fbid=636347435346754&set=a.189201083394727
10/23/2023	Leaves	3	0	https://www.facebook.com/photo/?fbid=642450591403105&set=a.189201083394727

Topic #4: Stream and Shoreline Management

Date	Topic	Likes	Shares	Link
11/1/2023	Shoreline Restoration	30	8	https://www.facebook.com/photo/?fbid=647204184261079&set=a.189201083394727

Facebook:
Likes: 22
Shares: 13

Topic #5: Residential Infiltration

Date	Topic	Likes	Shares	Link
6/16/2023	Rain Barrels	10	12	https://www.facebook.com/photo/?fbid=647204184261079&set=a.189201083394727
8/8/2023	Rain Collection 101	12	1	https://www.facebook.com/photo/?fbid=602939862020845&set=a.189201083394727

NEWSC Media/News Coverage

Estimated reach for Media/News Coverage by the following sources is 100,000+ and is a passive form of outreach/education.

Media Outlet	Topic	Publish Date	Link
WFRV Channel 5	Trash Clean up	9/22/2023	https://www.wearegreenbay.com/local5live/celebrate-the-fox-river-when-you-focus-on-fox/
Fox-11	Cleanup & Shoreline Restoration	9/21/2023	https://fox11online.com/news/making-a-difference/oshkosh-north-high-school-students-transform-911-remembrance-into-a-day-of-community-service-akans-acres-communities-program-oasd#
NBC-26	Student Watershed Activism (Oshkosh North)	9/11/2023	https://www.nbc26.com/oshkosh/remembering-9-11-oshkosh-north-students-give-back-to-community
Fox-11	Student Watershed Activism (Oshkosh North)	4/25/2023	https://fox11online.com/sports/outdoors/oshkosh-north-high-school-students-collaborate-nonprofit-fishing-line-receptacles-trash-free-waters-kelly-reyer-asylum-bay-park-lighthouse-ken-robl-conservation-park-environment
WBAY TV-2	Student Watershed Activism (Oshkosh North)	4/25/2023	https://www.wbay.com/2023/04/26/oshkosh-north-students-clean-up-broken-fishing-lines-local-waters/
WPR	Salt Drawbacks	2/2/2023	https://www.wpr.org/education/using-road-salt-has-its-drawbacks-wisconsin-community-leaders-see-solution-brine







NEWSC Media/News Coverage Continued

Estimated reach for Media/News Coverage by the following sources is 100,000+ and is a passive form of outreach/education.

Media Outlet	Topic	Publish Date	Link
620WTMJ	Salt Usage	1/29/2023	https://wtmj.com/news/2023/01/29/local-organizations-bring-awareness-to-salt-usage/
WBAY	Salt Awareness Week	1/23/223	https://www.wbay.com/2023/01/24/interview-salt-awareness-week/
WeAreGreenBay	Salt	1/18/2023	https://www.wearegreenbay.com/news/local-news/salt-leaving-bad-taste-in-mother-natures-mouth-research-shows-high-chloride-levels-in-wisconsin-rivers/
Fox11	Manitowoc Salting Cups	1/10/2023	https://fox11online.com/weather/weather-stories/manitowoc-providing-salt-cups-to-prevent-over-salting-in-wintry-weather



ANNUAL REPORT PART 2: STORMWATER PROGRAM EVALUATION MINIMUM CONTROL MEASURES MCM # 2 PUBLIC INVOLVEMENT AND PARTICIPATION - VOLUNTEER ACTIVITIES

NEWSC Active Delivery on Behalf of Members:

Volunteer Event - Annual Watershed Cleanup May 6, 2024

Fox-Wolf Watershed Alliance continues to add sites every year. If your community would like a site added for 2024, contact Sharon (CleanUp@fwwa.org). Sites should have public access. Communities are asked to provide a site leader for the 1st year.



This year the clean up hosted a photo contest live on Facebook!

Direct link to the contest album: https://www.facebook.com/media/set?vanity=foxwolfriver&set=a.560843009563864

Direct link to the full 2023 Cleanup album: https://www.facebook.com/media/set/?vanity=foxwolfriver&set=a.558480689800096







2023 Annual Cleanup Volunteer Totals by Community

Municipality	Number of Volunteers
Allouez	19
Appleton	196
Brown County	71
Calumet County	48
Combined Locks	41
De Pere	42
Fond du Lac	98
Fox Crossing	20
Grand Chute	11
Green Bay	114
Hortonville	52
Howard	23
Kaukauna	76
Kimberly	63
Ledgeview	38
Little Chute	56
Menasha	76
Neenah	118
New London	35
Oshkosh	226
Winnebago County	87
Winneconne	43
Wrightstown	24







Chloride Monitoring: Fall 2022/Winter 2023

This is considered active participation. Documentation numbers are below and detailed data and photos can be found on the Google Map.
https://www.google.com/maps/d/u/0/viewer?mid=1hBOxrw1PIrzz9bsalgCTdElFGvjdrM0&ll=44.371693999171775%2C-88.29907499999997&z=8

Municipality	Number of Active Education Volunteers
Brown County	2
Fond du Lac County	1
Outagamie County	3
Winnebago County	1
City of Fond du Lac	2
City of Green Bay	1
City of Menasha	1
City of Oshkosh	2

Municipality	Number of Active Education Volunteers
Town of Algoma	1
Town of Grand Chute	1
Town of Ledgeview	1
Town of Neenah	1
Town of Vinland	1
Village of Fox Crossing	1
Village of Harrison	1
Village of Howard	1



OTHER NEWSC EFFORTS:
Workshops and Trainings

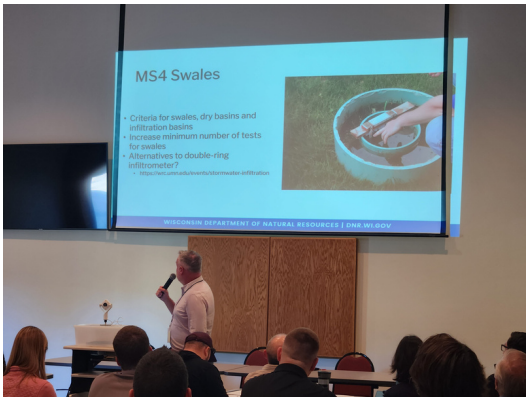
Stormwater Quality Management Half Day Workshop

Workshop assumed attendees have some knowledge of stormwater management and Appendix A and C of the permit. Continuing Education Credits were be offered. This training gave participants a unique opportunity to work and talk directly with WDNR, local municipalities, and consultants on TMDL requirements and future goals.

Agenda: https://docs.google.com/document/d/131k3UMywejqqrq7bvHtDSY5TcZAqhO7D/edit?usp=drive_link&ouid=101153216035145320311&rtpof=true&sd=true

September 14, 2023
7:45 am to 12:00 pm
Coughlin Center - 625 E County Rd Y, Oshkosh, WI 54901 Room B

*See Attendance list on the next page







Committee List:

Chair Person -

- Sue Olson (City of Appleton)

Committee Members-

- George Dearborn (Village of Fox Crossing)
- Paul Willis (Mean & Hunt)
- Abby Manslanka (Martenson & Eisele)
- Justin Keen (Cedar Corp)
- Rich Heath (Town of Algoma)
- Heather Zaunmueller (AECOM)
- Chuck Boehm (Brown & Caldwell)

Presenter List:

- Pete Wood (WDNR)
- Chris Linskens (WDNR)
- Justing Gierach (City of Oshkosh)
- Mark Van Der Wegen (Town of Grand Chute)
- Brent Jalonen (Calumet County)
- Nick Waldschmidt (City of Fond du Lac)
- Jack Richeson (Martenson & Eisele)

2023 Stormwater Quality Management Committee TMDL Half Day Workshop Attendance:

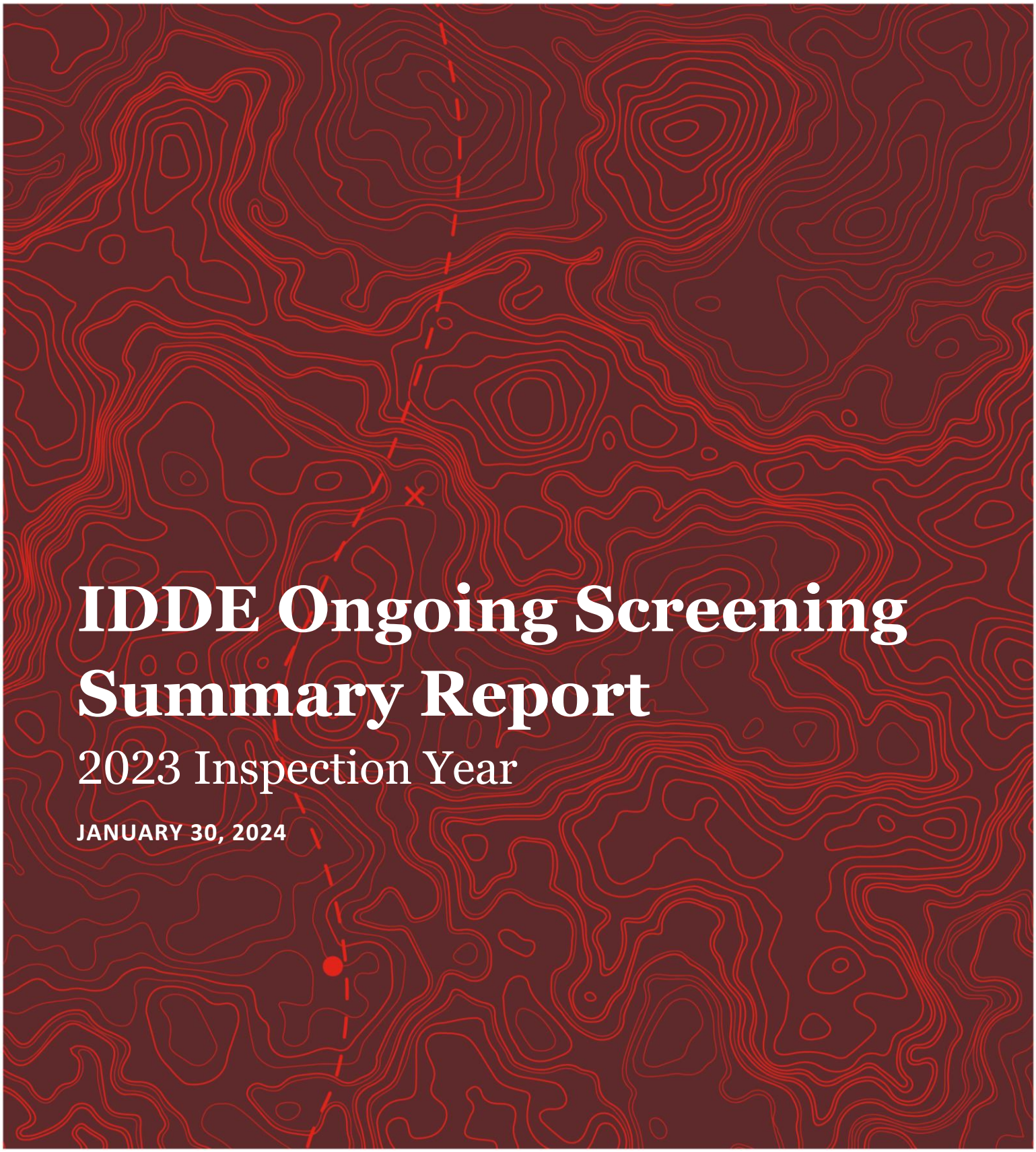
Abby Maslanka - Martenson & Eisele	Alyssa Deckert - City of Oshkosh	Andy Maracini - Winnebago County	Austin Dyb - Outagamie County	Brad Busse - City of Manitowoc	Brent Jalonen - Calumet County
Casey Canady - City of Oshkosh	Chase Kuffel - City of De Pere	Chris Linskens - WDNR	Chuck Boehm - Brown & Caldwell	Claire Ebben - Outagamie County	Dan Dieck - Village of Fox Crossing
Dan Rammer - MSA Professional Services	Don O'Connel - Town of Vinland	George Dearborn - Village of Fox Crossing	Heather Zaunmueller - AECOM	Jack Richeson - City of Menasha	Jeff Schultz - Martenson & Eisele
Jennifer Liimatta - Robert E Lee Associates	Jimmy Platz - AECOM	Jordan Bovee - Cedar Corp	Joseph Pingel - Cedar Corp	Josh Ruplinger - UW Oshkosh	Justin Gierach - City of Oshkosh
Justin Keen - Cedar Corp	Kelly O'Malley - City of Green Bay	Kia Kling - Village of Fox Crossing	Kris Lyons - Village of Little Chute	Mark Van Der Wegen - Town of Grand Chute	Matt Woicek - Village of Little Chute
Max McGuire - City of Green Bay	Michael Leidig - Robert E Lee Associates	Michael Morman - Outagamie County	Nick Waldschmidt - City of Fond du Lac	Pete Wood - WDNR	Richard Heath - Town of Algoma
Scott Ahl - City of Two Rivers	Sean Bekx - West Wood Professional Services	Sue Olson - City of Appleton	Todd Devens - Town of Vinland	Valerie Joosten - City of Green Bay	

Thank you 2023 Leadership Council Members!

Chair Heath Kummerow (2022 -2023) City of Neenah	Vice-Chair Brent Jalonen (2022-2023) Calumet County	Secretary/Treasurer Rich Heath (2022-2023) Town of Algoma	Past-Chair Eric Rakers (2022-2023) City of De Pere
Municipal Committee James Rabe (2022-2024) City of Oshkosh	General Public Committee Andy Maracini (2022-2024) Winnebago County	Building & Development Committee Brad Hartjes (2021-2024) raSmith	Stormwater Quality Management Committee Sue Olson (2023-2024) City of Appleton
Member-At-Large Dani Santry (2022-2024) Calumet County	Member-At-Large Paul Willis (2023-2024) Mead & Hunt	Member-At-Large Mark Van Der Wegen (2023-2024) Town of Grand Chute	

Thank you 2023 Committee Members!

General Public Committee	**Municipal Committee**	**Stormwater Quality Management Committee**	**Building & Development Committee**
Andy Maracini - Winnebago County Dani Santry - Calumet County George Dearborn - Village of Fox Crossing Brian Wayner - Westwood Professional Services	James Rabe - City of Oshkosh Jeff Mazanec - raSmith Scott Ahl - City of Two Rivers John Neumerier - City of Kaukauna Sue Olson - City of Appleton	Sue Olson - City of Appleton George Dearborn - Village of Fox Crossing Paul Willis - Mead & Hunt Abby Maslanka - Martenson & Eisle Justin Keen - Cedar Corporation Rich Heath - Town of Algoma Heather Zaunmueller - AECOM Chick Boehm - Brown & Caldwell	Brad Hartjes - raSmith Nick Waldschmidt - City of Fond du Lac Brent Jalonen - Calumet County Patrick Kuehl - Robert E Lee & Associates Chad VandenLangenberg - Outagamie County Katie Buchalski - Ruekert-Mielke



IDDE Ongoing Screening Summary Report

2023 Inspection Year

JANUARY 30, 2024

PREPARED FOR:

Outagamie County

PREPARED BY:

Westwood

Westwood

IDDE Ongoing Screening Summary Report

2023 Inspection Year

Outagamie County

Prepared For:

Outagamie County
Development and Land Services
300 S. Walnut Street
Appleton, WI 54911

Prepared By:

Westwood Professional Services
1 Systems Drive
Appleton, WI 54914
(920) 735-6900

Project Number: R3001728.01
Date: January 30, 2024

INTRODUCTION

Westwood Professional Services (Westwood) assisted Outagamie County with screening the outfalls in the County's municipal separate storm sewer system (MS4) for potential illicit discharges. To maintain compliance with their Wisconsin Pollutant Discharge Elimination System (WPDES) permit, 50 outfalls within the County's jurisdiction were screened. Of the screened outfalls, 8 were major outfalls, 42 were minor outfalls, and none were supplemental outfalls. A map and list of the screened outfalls are included in Appendix A. The individual outfall field screening reports for the screened outfalls are contained in Appendix B.

For a description of the County's Illicit Discharge Field Screening Program, please refer to the *IDDE Ongoing Field Screening Program – 2021 Update* (February 25, 2021). The 2021 update contains a comprehensive description of the program, maps depicting the County's outfalls, and information on how the program complies with the County's municipal stormwater WPDES permit from the Wisconsin Department of Natural Resources (WDNR).

SUMMARY OF ILLICIT DISCHARGE PROGRAM'S MEASURABLE GOALS

Results for the County's 2023 Ongoing Field Screening Program are as follows.

- 50 of 297 MS4 outfalls (17%) were screened, including 35 that were screened for the first time.
- 44 outfalls were characterized as unlikely to have an illicit discharge.
- 6 outfalls were characterized as a potential illicit discharge.
- No outfalls were characterized as an obvious/confirmed illicit discharge.
- No confirmed illicit discharges were eliminated.

The above results reflect the results of the routine outfall screening. Any actions resulting from complaints received by the County will need to be addressed in the corresponding sections of the MS4 Annual Report.

OUTFALL INVENTORY

As part of the Ongoing Field Screening Program, the County's inventory of MS4 outfalls is reviewed annually and updated to reflect changes to the MS4, including new development, installation of stormwater management facilities, or highway reconstruction. Prior to conducting the scheduled outfall screening, the County's updated storm sewer mapping is reviewed to identify new, removed, or modified outfalls, and the screening schedule is updated accordingly. Similarly, if differences are identified during the screening process, those changes are made as they are encountered. For each new or modified outfall, a determination is made as to its major/minor status, as well as its priority outfall status.

Following the completion of the 2023 Ongoing Screening Program, the County's outfall inventory consists of the following:

Major/Minor Classification	No. of Outfalls
Major Outfalls	32
Minor Outfalls	263
Supplemental Outfalls	2
Total	**297**

Prioritization Classification	No. of Outfalls
Priority Outfalls	15
Non-Priority Major Outfalls	24
Non-Priority Non-Major Outfalls	258
Total	**297**

ILLICIT DISCHARGE AND FLOW OBSERVATIONS

Of the 50 outfalls that were screened in 2023, six outfalls had physical or chemical indicators suggesting a potential or obvious illicit discharge. Those outfalls are summarized in the table below:

Outfall	Date	Flow	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
CE-45	8/21/2023	Submerged, indeterminate	7.93	***3,140***	0	0	0	0	**Potential**
CE-47	8/21/2023	Submerged, indeterminate	7.85	***2,970***	0	0	0	0	**Potential**
CE-48	8/21/2023	Trickle	8.23	***2,520***	0	0	0	0	**Potential**
N-34	8/21/2023	Trickle	7.55	***3,910***	0	0	0	0	**Potential**
N-36	8/22/2023	Submerged, indeterminate	8.21	***2,630***	0	0	0	0	**Potential**
N-40	8/22/2023	Submerged, slight flow	7.68	***2,860***	0	0	0	0	**Potential**

Bold entries indicate test results that exceed the action limit for the chemical.
Italic entries indicate alternate sampling locations for an outfall.

All six outfalls were classified as potential illicit discharges solely due to having a conductivity in excess of 2,000 µS/cm. While conductivity is not one of the standard illicit discharge testing parameters, it was added several years ago as an additional screening tool to indicate the presence of foreign substances in the stormwater. However, with the continued accumulation of deicing materials, the background chloride concentrations are increasing, making conductivity a less useful predictor of potential illicit discharges, especially in samples collected from submerged pools. This is especially true for the Outagamie County outfalls, which often include drainage from roadside ditches.

The following outfalls were listed as potential illicit discharges based solely on elevated conductivity. Several of these outfalls have historically had elevated conductivity. Because there was no significant flow at the time of the screening, no upstream tracking was conducted in 2023.

- CE-45 (SW corner of CTH N / CTH CE) – 3,140 µS/cm
- CE-47 (CTH CE, west of Eisenhower Dr) – 2,970 µS/cm
- CE-48 (CTH CE, west of Eisenhower Dr) – 2,520 µS/cm
- N-34 (CTH N, between Saratoga Dr and Whitetail Ridge Ct) – 3,910 µS/cm

- N-36 (CTH N and Pierce Ave) – 2,630 µS/cm
- N-40 (CTH N / Prospect Street – 2,860-2,640 µS/cm

Of these, only outfall CE-45 is classified as a Priority Outfall and scheduled to be screened annually. The remaining five outfalls are non-priority non-major outfalls and would not normally be rescreened in 2024. However, due to the elevated conductivity and the potential illicit discharge classification, they will be added to the 2024 inspection list. Additional upstream and/or downstream screening and sampling may be conducted in 2024 to attempt to further isolate the potential source(s) of the discharges.

NON-ILLICIT DISCHARGE OBSERVATIONS

The ongoing screening identified ten outfalls with some degree of visible damage, five outfalls with deposition, nine with erosion, and one with graffiti. While none of these posed an immediate danger, the County will likely want to address these issues as part of the regular storm sewer system maintenance. Appendix C contains lists, maps, and photos of outfalls with non-illicit discharge concerns.

FUTURE FIELD SCREENING

The general screening schedule approach is outlined in the *IDDE Ongoing Field Screening Program – 2021 Update.* The outfalls within the County's jurisdiction that are classified as Priority Outfalls are to be screened every year and the major outfalls that are deemed "non-priority" are to be screened every five years. Non-priority, non-major outfalls are to be screened every ten years.

A preliminary screening schedule was developed as part of the *Ongoing Field Screening Program*. This screening schedule is updated each year as outfalls are added, removed, or reclassified. In addition, any non-priority outfalls with potential illicit discharges are scheduled for a repeat screening in the following year.

Any outfalls listed as "potential" or "obvious" illicit discharges from the 2023 screening year will be rescreened in 2024, regardless of their priority status. Five of the six identified potential illicit discharges were classified as non-priority non-major outfalls, which would normally be rescreened in ten years. All five of these outfalls were added to the 2024 screening schedule.

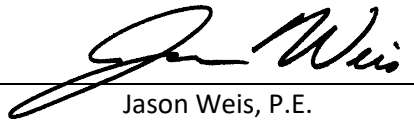
Based on the latest revisions, the proposed 2024 screening schedule includes 55 outfalls:

- 15 Priority outfalls
- 5 Non-priority major outfalls
- 35 Non-priority non-major outfalls (including CE-47, CE-48, N-34, N-36 and N-40 rescreening)

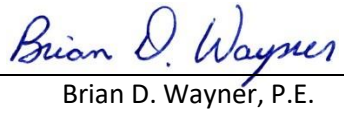
The updated screening schedule is included in Appendix A. Outagamie County reserves the right to revise the screening schedule as long as the goals of the screening frequency are achieved.

STANDARD OF CARE

The conclusions presented in this report were arrived at using generally accepted engineering practices. The conclusions presented herein represent our professional opinions, based on data collected at the time of the inspections, at the specific inspection locations discussed in this report. Conditions at other locations in the County or at different times may be different than described in this report. The scope of this report is limited to the specific project and the inspection locations described herein.

Prepared By: 

Jason Weis, P.E.
Project Engineer

Reviewed By: 

Brian D. Wayner, P.E.
Environmental Service Leader

Appendix A
Outfall Information

Outfall Inspection Map
Outfall Screening Summary Table and History Chart
Potential and Obvious Illicit Discharge Map
Updated MS4 Outfall Maps
Updated Outfall Screening Schedule

County Boundary
Major Outfall (8)
Minor Outfall (42)
Supplemental Outfall (0)

JJ-20
OO-04
CB-27
A-16
A-20
N-10
CC-04
OO-46
OO-45
OO-49
OO-53
OO-57
OO-50
OO-51
N-45
N-35
N-36
N-37
N-38
N-40
N-39
N-41
N-43
Z-28
Z-37
Z-36
K-09
HH-05
HH-09
HH-08
HH-06
HH-07
CE-32
CE-55
CE-48
CE-47
CE-49
CE-50
CE-51
CE-52
CE-53
CE-54
CE-45
N-44
N-33
N-34
KK-22c
KK-29
KK-30
KK-31

Apple Creek
Mud Creek
Garners Creek
Outagamie
Winnebago
Outagamie
Calumet
Outagamie
Calumet

0 1 2 Miles

N
W E
S

Project Manager:
Project Engineer:
Drawn By: JCW
Checked By:
Date: 12/6/2022

2023 IDDE ONGOING SCREENING PROGRAM
OUTFALL INSPECTION MAP

OUTAGAMIE COUNTY, WISCONSIN

Westwood
1 Systems Drive
Appleton, WI 54914
(920) 735-6900
www.westwoodps.com

SCALE:
1 " = 4,167 '

PROJECT NO.
R3001728.01

FIGURE NO.
A-1

F:\ENVIRO\IDDE\GIS\Inspected\Outfalls_Outagamie.mxd
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Outfall Screening Summary

	Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
Outagamie County	A-16	P	8/22/2023	Ongoing	Trickle	8.28	***2,010***	0	0	0	0	Unlikely
Outagamie County	A-20	P	8/22/2023	Ongoing	Submerged, slight flow	8.24	1,726	0	0	0	0	Unlikely
Outagamie County	CB-27	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	CC-04	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	CE-32	P	8/21/2023	Ongoing	Submerged, no flow	7.75	***2,080***	0	0	0	0	Unlikely
Outagamie County	CE-45	P	8/21/2023	Ongoing	Submerged, indeterminate	7.93	***3,140***	0	0	0	0	***Potential***
Outagamie County	CE-47	NPNM	8/21/2023	Ongoing	Submerged, indeterminate	7.85	***2,970***	0	0	0	0	***Potential***
Outagamie County	CE-48	NPNM	8/21/2023	Ongoing	Trickle	8.23	***2,520***	0	0	0	0	***Potential***
Outagamie County	CE-49	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	CE-50	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	CE-51	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	CE-52	NPNM	8/21/2023	Ongoing	Moderate	8.59	959	0	0	0	0	Unlikely
Outagamie County	CE-53	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	CE-54	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	CE-55	NPNM	8/21/2023	Ongoing	Trickle	8.03	1,665	0	0	0	0	Unlikely
Outagamie County	HH-05	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	HH-06	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	HH-07	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	HH-08	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	HH-09	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	JJ-20	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	K-09	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	KK-22c	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	KK-29	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	KK-30	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	KK-31	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	N-10	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	N-33	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	N-34	NPNM	8/21/2023	Ongoing	Trickle	7.55	***3,910***	0	0	0	0	***Potential***
Outagamie County	N-35	NPNM	8/22/2023	Ongoing	Moderate	8.55	1,031	0	0	0	0	Unlikely
Outagamie County	N-36	NPNM	8/22/2023	Ongoing	Submerged, indeterminate	8.21	***2,630***	0	0	0	0	***Potential***
Outagamie County	N-37	NPNM	8/22/2023	Ongoing	None							Unlikely
Outagamie County	N-38	NPNM	8/22/2023	Ongoing	None							Unlikely
Outagamie County	N-39	NPNM	8/22/2023	Ongoing	None							Unlikely
Outagamie County	N-40	NPNM	8/22/2023	Ongoing	Submerged, slight flow	7.68	***2,860***	0	0	0	0	***Potential***
Outagamie County	N-41	NPNM	8/22/2023	Ongoing	None							Unlikely
Outagamie County	N-43	NPNM	8/22/2023	Ongoing	None							Unlikely
Outagamie County	N-44	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	N-45	NPNM	8/22/2023	Ongoing	None							Unlikely
Outagamie County	OO-04	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	OO-45	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	OO-46	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	OO-49	NPNM	8/22/2023	Ongoing	Submerged, indeterminate	7.16	155	0	0	0	0	Unlikely
Outagamie County	OO-50	P	8/22/2023	Ongoing	Moderate	8.81	641	0	0	0	0	Unlikely

Outfall Screening Summary

	Outfall ID	Priority Class*	Inspection Date	Inspection Type	Flow Description	pH	Conductivity (µS/cm)	Ammonia (ppm)	Total Chlorine (ppm)	Free Chlorine (ppm)	Detergent (mg/L)	Illicit Discharge Potential
Outagamie County	OO-51	P	8/22/2023	Ongoing	Submerged, no flow	7.28	980	0	0	0	0	Unlikely
Outagamie County	OO-53	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	OO-57	P	8/22/2023	Ongoing	None							Unlikely
Outagamie County	Z-28	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	Z-36	NPNM	8/21/2023	Ongoing	None							Unlikely
Outagamie County	Z-37	NPNM	8/21/2023	Ongoing	None							Unlikely

*Priority Class:
P = Priority Outfall
NPM = Non-Priority Outfall
NPNM = Non-Priority Non-Major Outfall

Outagamie County

MS4 Annual Report - IDDE Program Summary

Total outfalls in inventory: 297 *(current through 1/25/2024)*

Major outfalls	32	Priority outfalls	15
Minor outfalls	263	Non-priority major outfalls	24
Supplemental outfalls	2	Non-priority non-major outfalls	258

Reporting Period: 1/1/2023 to 12/31/2023

Total outfalls screened during period:	50	% of total outfalls:	17%
Add'l upstream locations screened:			
Major outfalls	8	Priority outfalls	15
Minor outfalls	42	Non-priority major outfalls	
Supplemental outfalls		Non-priority non-major outfalls	35

Submerged status of screened outfalls

Not submerged:	42	% of inspected outfalls:	84%
Partially submerged:	8	% of inspected outfalls:	16%
Fully submerged:		% of inspected outfalls:	

Flow status of screened outfalls

No flow (dry)	35	% of inspected outfalls:	70%
Trickle flow	4	% of inspected outfalls:	8%
Moderate flow	3	% of inspected outfalls:	6%
Substantial flow		% of inspected outfalls:	
Submerged	8	% of inspected outfalls:	16%
Not located		% of inspected outfalls:	

Illicit discharge potential of screened outfalls

Unlikely:	44	% of inspected outfalls:	88%
Potential:	6	% of inspected outfalls:	12%
Obvious:		% of inspected outfalls:	

Gross solids severity in upstream manholes

None	% of upstream manholes:
Minor	% of upstream manholes:
Moderate	% of upstream manholes:
Severe	% of upstream manholes:

Total samples collected during period:	15	% of inspected outfalls:	30%
Flow samples	9	% of samples:	60%
Pool samples	6	% of samples:	40%

Parameter	Min	Max	Action level	# of samples exceeding action level
Ammonia (ppm)	0	0	1	0
Free chlorine (mg/L)	0	0	detection	0
Total chlorine (mg/L)	0	0	detection	0
Detergent (mg/L)	0	0	detection	0
Conductivity (µS/cm)	155	3,910	2,000	8
pH (pH units)	7.16	8.81	< 6.0 or > 9.0	0
Temperature (°F)	67	80		

Outfall Screening History

Outagamie County

- Not inspected
- Unlikely illicit discharge
- Potential illicit discharge
- Obvious illicit discharge

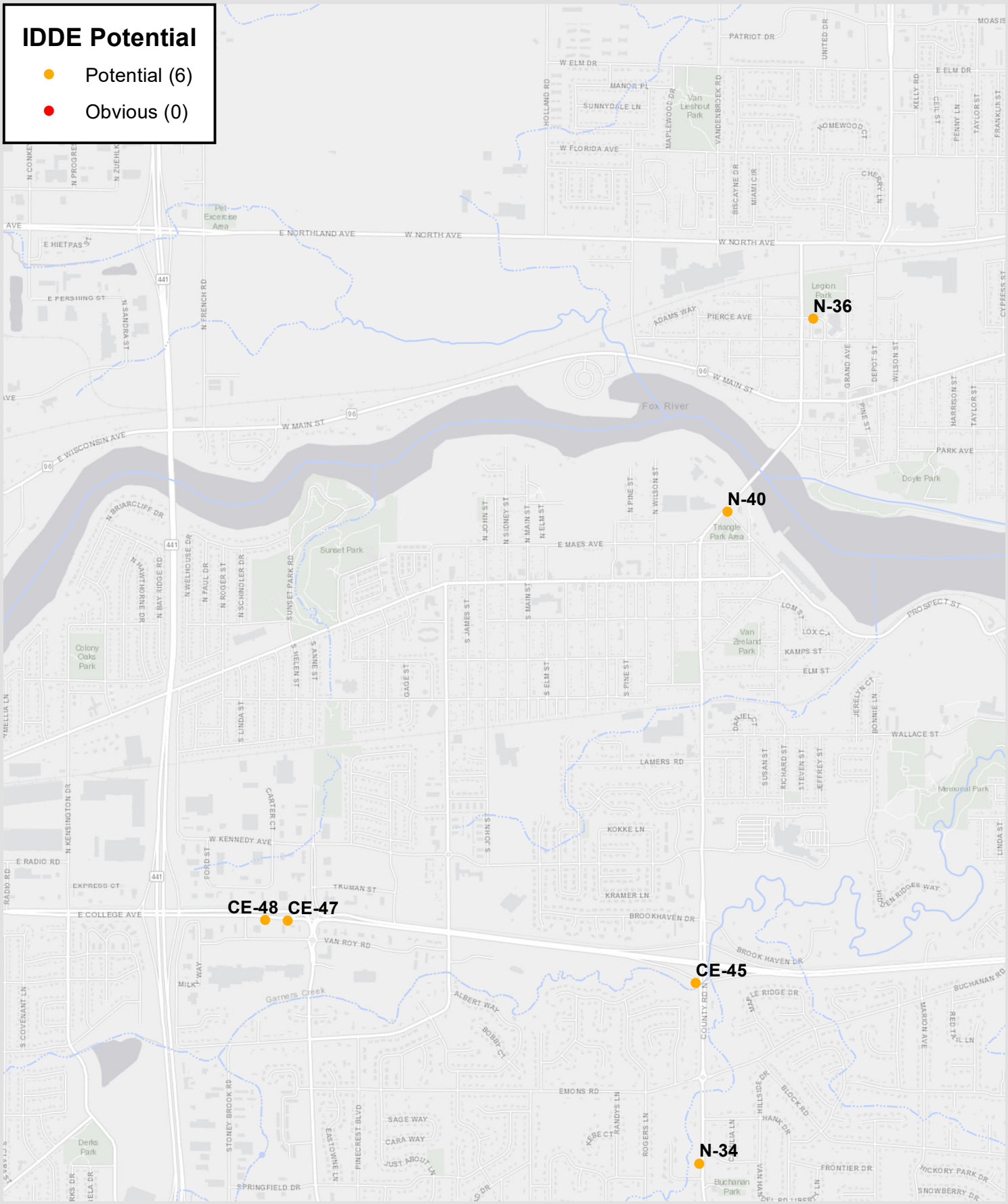
	2015	2017	2018	2019	2020	2021	2022	2023
A-16								
A-20								
CB-27								
CC-04								
CE-32								
CE-45								
CE-47								
CE-48								
CE-50								
CE-51								
CE-52								
CE-53								
CE-54								
CE-55								
HH-05								
HH-06								
HH-07								
HH-08								
HH-09								
JJ-20								
K-09								
KK-22c								
KK-29								
KK-30								
KK-31								
N-10								
N-33								
N-34								
N-35								
N-36								
N-37								
N-38								
N-39								
N-40								
N-41								
N-43								
N-44								
N-45								
OO-04								

Outfall Screening History

Outagamie County

Not inspected
Unlikely illicit discharge
Potential illicit discharge
Obvious illicit discharge

	2015	2017	2018	2019	2020	2021	2022	2023
OO-45								
OO-46								
OO-49								
OO-50								
OO-51								
OO-53								
OO-57								
Z-28								
Z-36								
Z-37								
CE-49								



Westwood

1 Systems Drive
Appleton, WI 54914
(920) 735-6900
www.westwoodps.com

N
W E
S

2023 ONGOING SCREENING PROGRAM

OUTFALLS WITH POTENTIAL ILLICIT DISCHARGES

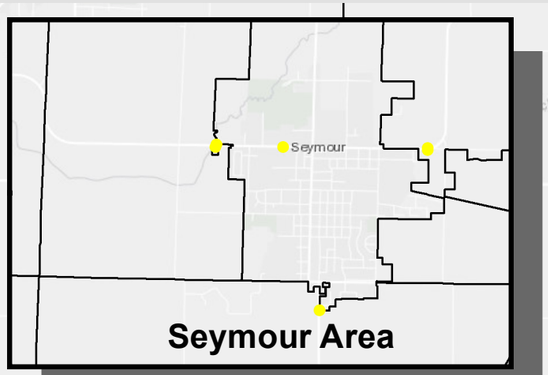
OUTAGAMIE COUNTY, WISCONSIN

Project Manager:	SCALE: 1 " = 2,000 '
Project Engineer:	
Drawn By: JCW	PROJECT NO. R3001728.01
Checked By:	
Date: 1/25/2024	FIGURE NO. A-2

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Outfalls

- Major Outfall (32)
- Minor Outfall (263)
- Supplemental Outfall (2)
- Municipal Boundaries (Outagamie County)



Town of Center
Greenville
Town of Vandenbroek
Little Chute
Kaukauna
Village of Kimberly
Village of Combined Locks
Appleton International Airport
Appleton
Winnebago
Outagamie
Calumet
Town of Menasha
Little Lake Butte des Morts
Apple Creek
Mud Creek
Garners Creek
Fox River

0 1 2 Miles

N
W E
S

Project Manager:
Project Engineer:
Drawn By: JCW
Checked By:
Date: 1/25/2024

2023 IDDE ONGOING SCREENING PROGRAM
MS4 OUTFALL MAP (MAJOR/MINOR STATUS)

OUTAGAMIE COUNTY, WISCONSIN

Westwood
1 Systems Drive
Appleton, WI 54914
(920) 735-6900
www.westwoodps.com

SCALE:
1 " = 5,980 '

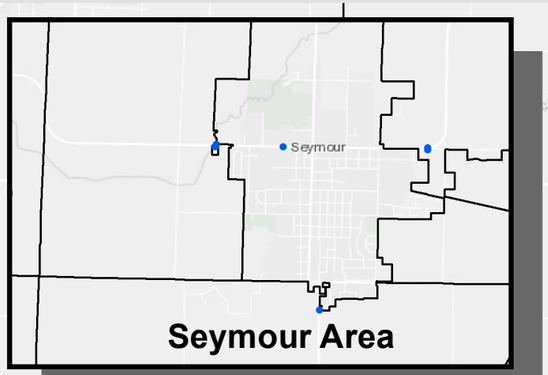
PROJECT NO.
R3001728.01

FIGURE NO.
A-3a

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Outfalls

- Priority Outfall (15)
- Non-Priority Major Outfall (24)
- Non-Priority Non-Major Outfall (258)
- Municipal Boundaries (Outagamie County)



Town of Center
Greenville
Town of Vandenbroek
Little Chute
Kaukauna
Village of Kimberly
Village of Combined Locks
Appleton International Airport
Appleton
Winnebago
Outagamie
Calumet
Town of Menasha
Little Lake Butte des Morts
Mud Creek
Apple Creek
Fox River

0 1 2 Miles

N
W E
S

Project Manager:
Project Engineer:
Drawn By: JCW
Checked By:
Date: 1/25/2024

2023 IDDE ONGOING SCREENING PROGRAM

MS4 OUTFALL MAP (PRIORITY OUTFALL STATUS)

OUTAGAMIE COUNTY, WISCONSIN

Westwood
1 Systems Drive
Appleton, WI 54914
(920) 735-6900
www.westwoodps.com

SCALE: 1 " = 5,980 '

PROJECT NO. R3001728.01

FIGURE NO. A-3b

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Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
A-01	NPNM	2017			X				
A-02	NPNM	2017			X				
A-03	NPNM	2017			X				
A-04	NPNM	2017			X				
A-05	NPNM	2017			X				
A-06	NPNM	2021							
A-09	NPNM	2017			X				
A-10a	NPNM	2017			X				
A-10b	NPNM	2017			X				
A-11	NPNM	2017			X				
A-12	NPNM	2015		X					
A-16	P	2023	X	X	X	X	X	X	X
A-17	NPNM	2017			X				
A-18	NPM	2021			X				
A-19	NPNM	2022							
A-20	P	2023	X	X	X	X	X	X	X
A-21	NPNM	2014			X				
A-22	NPM	2021				X			
A-23	NPNM	2022							
A-24	NPNM	2022							
A-25	NPNM	2022							
A-26	NPNM	2022							
AA-01	NPNM	2017			X				
AA-02	NPNM	2017			X				
AA-05	NPNM	2017			X				
AA-07	NPNM	2017			X				
AA-07a	NPNM	2017			X				
AA-09	NPNM	2017			X				
AA-10	NPNM	2022							
BB-09	NPNM	2017		X					
BB-12	NPNM	2017		X					
BB-13	NPNM	2017		X					
BB-16	NPNM	2022							
BB-17	NPNM	2022							
BB-18	NPNM	2022							
BB-19	NPNM	2022							
BB-19a	NPNM	2022							
BB-20	NPNM	2022							
BB-21	NPNM	2022							
BB-22	NPNM	2022							
BB-23	NPNM	2022							
C-01	NPNM	2022							
CA-08	NPNM	2016		X					
CA-09	NPNM	2017		X					
CA-10	NPNM	2017		X					
CA-11	NPM	2021		X					
CA-12	NPNM	2021							

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
CA-14	NPNM	2021							
CA-15	NPNM	2021							
CA-16	NPNM	2022							
CB-02	NPNM	2016		X					
CB-03	NPNM	2016		X					
CB-04	NPNM	2016		X					
CB-05	NPNM	2016		X					
CB-07	NPM	2021		X					
CB-08	NPNM	2021							
CB-09	NPM	2021		X					
CB-10	NPNM	2021							
CB-11	NPNM	2016		X					
CB-12	NPNM	2016		X					
CB-13	NPNM	2016		X					
CB-14	NPNM	2016		X					
CB-15	NPNM	2016		X					
CB-16	NPM	2021		X					
CB-21	NPNM	2016						X	
CB-22	NPNM	2016		X					
CB-23	NPNM	2016		X					
CB-24	NPNM	2016		X					
CB-26	NPNM	2021							
CB-27	P	2023	X	X	X	X	X	X	X
CB-28	NPNM	2021							
CB-29	NPNM	2021							
CB-30	NPM	2021		X					
CB-31	NPNM	2021							
CB-32	NPNM	2021							
CB-33	NPNM	2021							
CC-01	NPNM	2018					X		
CC-02	NPNM	2018					X		
CC-03	NPNM	2018					X		
CC-04	P	2023	X	X	X	X	X	X	X
CE-02	NPNM	2020				X			
CE-03a	NPNM	2020				X			
CE-05	NPNM	2020				X			
CE-07	NPNM	2020				X			
CE-08	NPNM	2020				X			
CE-09	NPNM	2020				X			
CE-10	NPNM	2020				X			
CE-11	NPNM	2020				X			
CE-14	NPNM	2020						X	
CE-16	NPNM	2020						X	
CE-17	NPNM	2019						X	
CE-18	NPNM	2019						X	
CE-19	NPNM	2019						X	
CE-20	NPNM	2019						X	

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
CE-21	NPNM	2019						X	
CE-22	NPNM	2019						X	
CE-23	NPNM	2019						X	
CE-24	NPNM	2019						X	
CE-25	NPNM	2019						X	
CE-28	NPNM	2019					X		
CE-29	NPM	2021					X		
CE-30	NPNM	2019					X		
CE-31	NPNM	2019					X		
CE-32	P	2023	X	X	X	X	X	X	X
CE-33	NPNM	2019					X		
CE-34	NPNM	2019					X		
CE-35	NPM	2021					X		
CE-36	NPNM	2019					X		
CE-37	NPNM	2019					X		
CE-38	NPNM	2019					X		
CE-39	NPNM	2019					X		
CE-40	NPNM	2019					X		
CE-42	NPNM	2020				X			
CE-43	NPNM	2020				X			
CE-44	NPNM	2020				X			
CE-45	P	2023	X	X	X	X	X	X	X
CE-46	NPNM	2020				X			
CE-47	NPNM	2023	X						
CE-48	NPNM	2023	X						
CE-49	NPNM	2023							
CE-50	NPNM	2023							
CE-51	NPNM	2023							
CE-52	NPNM	2023							
CE-53	NPNM	2023							
CE-54	NPNM	2023							
CE-55	NPNM	2023							
G-01	NPNM	2022							
G-02	NPNM	2022							
G-03	NPNM	2022							
G-04	NPNM	2022							
G-05	NPNM	2022							
GV-01	NPNM	2016		X					
GV-02	NPNM	2016		X					
GV-03	NPNM	2016		X					
GV-04	NPNM	2016		X					
GV-05	NPNM	2016		X					
GV-06	NPNM	2016		X					
GV-07	NPNM	2016		X					
GV-08	NPNM	2016		X					
GV-09	NPM	2021		X					
GV-12	NPNM	2021							

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
GV-13	NPNM	2021							
GV-14	NPNM	2021							
GV-15	NPNM	2021							
GV-16	NPNM	2021							
GV-17	NPNM	2021							
HH-05	NPNM	2023							
HH-06	NPNM	2023							
HH-07	NPNM	2023							
HH-08	NPNM	2023							
HH-09	NPNM	2023							
J-02	NPNM	2018					X		
J-03	NPNM	2018					X		
J-04	NPNM	2018					X		
J-05	NPNM	2018					X		
J-06	NPNM	2018					X		
J-07	NPNM	2018					X		
J-10	NPNM	2018	X						
J-11	NPNM	2018	X						
J-12	NPNM	2015					X		
J-13	NPNM	0	X						
J-14	NPNM	0	X						
J-15	NPNM	0	X						
J-16	NPNM	0	X						
J-17	NPNM	0	X						
J-18	NPNM	0	X						
J-19	NPM	2021					X		
J-20	NPNM	0	X						
J-21	NPNM	0	X						
J-22	NPNM	0	X						
J-23	NPM	2021	X						
JJ-02	NPM				X				
JJ-08	NPNM				X				
JJ-12	NPNM				X				
JJ-13	NPNM	2018			X				
JJ-17	NPNM				X				
JJ-18	NPNM				X				
JJ-20	P		X	X	X	X	X	X	X
JJ-20b	NPM	2021			X				
JJ-21	NPM				X				
JJ-22	NPNM				X				
JJ-23	NPNM	2017			X				
JJ-24	NPNM	2017			X				
JJ-25	NPNM	2017			X				
JJ-26	NPNM	2016		X					
JJ-27	NPNM	2016		X					
JJ-32	NPNM	2022							
JJ-35	NPNM	0							

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
K-01	NPNM	2019					X		
K-02	NPNM	2019					X		
K-03	NPNM						X		
K-04	NPNM	2019					X		
K-05	NPNM	2019					X		
K-06	NPNM	2019					X		
K-07	NPNM	2019					X		
K-08	NPNM	2019					X		
K-09	NPNM	2023							
KK-22a	NPNM	2020						X	
KK-22b	NPNM	2020						X	
KK-22c	NPNM	2023							
KK-24	NPNM	2020						X	
KK-25	NPNM	2020						X	
KK-26	NPNM	2020						X	
KK-28	NPNM	2020						X	
KK-29	NPNM	2023							
KK-30	NPNM	2023							
KK-31	NPNM	2023							
N-10	P	2023	X	X	X	X	X	X	X
N-11	NPNM	2018				X			
N-12	NPNM	2018				X			
N-13	NPNM	2018				X			
N-14	NPNM	2020				X			
N-15	NPNM	2020				X			
N-16	NPNM	2020				X			
N-17	NPNM	2020				X			
N-18	NPNM	2020				X			
N-20	NPNM	2020				X			
N-21	NPNM	2020				X			
N-22	NPNM	2020				X			
N-23	NPNM	2020				X			
N-25	NPNM	2022							
N-27	NPNM	2022							
N-33	NPNM	2023							
N-34	NPNM	2023	X						
N-35	NPNM	2023							
N-36	NPNM	2023	X						
N-37	NPNM	2023							
N-38	NPNM	2023							
N-39	NPNM	2023							
N-40	NPNM	2023	X						
N-41	NPNM	2023							
N-42	NPM	2021				X			
N-43	NPNM	2023							
N-44	NPNM	2023							
N-45	NPNM	2023							

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
N-46	NPNM	2022							
OO-01	NPNM	2017			X				
OO-02	NPNM	2017			X				
OO-03	NPNM	2017			X				
OO-04	P	2023	X	X	X	X	X	X	X
OO-05	NPNM	2017			X				
OO-06	NPNM	2017			X				
OO-07	NPM	2021			X				
OO-24	NPM	2021				X			
OO-25	NPNM	2018				X			
OO-26	NPNM	2018				X			
OO-28	NPNM	2018				X			
OO-29	NPNM	2018				X			
OO-30	NPNM	2018				X			
OO-31	NPNM	2018				X			
OO-35	NPNM	2018					X		
OO-38	NPNM	2022							
OO-39	NPNM	2022							
OO-40	NPNM	2022							
OO-41	NPNM	2022							
OO-42	NPNM	2022							
OO-43	NPNM	2022							
OO-44	NPNM	2022							
OO-45	P	2023	X	X	X	X	X	X	X
OO-46	P	2023	X	X	X	X	X	X	X
OO-47	NPM	2021				X			
OO-48	NPNM	2022							
OO-49	NPNM	2023							
OO-50	P	2023	X	X	X	X	X	X	X
OO-51	P	2023	X	X	X	X	X	X	X
OO-52	NPNM	0	X						
OO-53	P	2023	X	X	X	X	X	X	X
OO-54	NPNM	0	X						
OO-55	NPNM	0	X						
OO-56	NPNM		X						
OO-57	P	2023	X	X	X	X	X	X	X
OO-58	NPNM	0	X						
OO-59	NPNM	0	X						
OO-60	NPM	2021	X						
OO-61	NPNM	0	X						
OO-62	NPM	2021	X						
OO-63	NPM	2021	X						
OO-64	NPM	2021	X						
OO-65	NPNM	2022							
Q-02	NPNM	2019					X		
Q-03	NPNM	0	X						
Q-04	NPNM	0	X						

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Outfall ID

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
Q-05	NPNM	0	X						
Z-05	NPNM	2019					X		
Z-16	NPNM	2018	X						
Z-17	NPNM	2018	X						
Z-28	NPNM	2023							
Z-29	NPNM	0	X						
Z-30	NPNM	0	X						
Z-31	NPNM	0	X						
Z-32	NPNM	0	X						
Z-33	NPNM	0	X						
Z-34	NPM	2021					X		
Z-35	NPNM	0	X						
Z-36	NPNM	2023							
Z-37	NPNM	2023							
Z-38	NPNM	0	X						
Totals			**55**	**50**	**51**	**49**	**50**	**33**	**15**

P	Priority Outfall
NPM	Non-Priority Major Outfall
NPNM	Non-Priority Non-Major Outfall

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
Priority Outfalls (annual)									
A-16	P	2023	X	X	X	X	X	X	X
A-20	P	2023	X	X	X	X	X	X	X
CB-27	P	2023	X	X	X	X	X	X	X
CC-04	P	2023	X	X	X	X	X	X	X
CE-32	P	2023	X	X	X	X	X	X	X
CE-45	P	2023	X	X	X	X	X	X	X
JJ-20	P	2023	X	X	X	X	X	X	X
N-10	P	2023	X	X	X	X	X	X	X
OO-04	P	2023	X	X	X	X	X	X	X
OO-45	P	2023	X	X	X	X	X	X	X
OO-46	P	2023	X	X	X	X	X	X	X
OO-50	P	2023	X	X	X	X	X	X	X
OO-51	P	2023	X	X	X	X	X	X	X
OO-53	P	2023	X	X	X	X	X	X	X
OO-57	P	2023	X	X	X	X	X	X	X
Non-Priority Major Outfalls (every 5 years)									
J-23	NPM	2021	X						
OO-60	NPM	2021	X						
OO-62	NPM	2021	X						
OO-63	NPM	2021	X						
OO-64	NPM	2021	X						
CA-11	NPM	2021		X					
CB-07	NPM	2021		X					
CB-09	NPM	2021		X					
CB-16	NPM	2021		X					
CB-30	NPM	2021		X					
GV-09	NPM	2021		X					
A-18	NPM	2021			X				
JJ-02	NPM				X				
JJ-20b	NPM	2021			X				
JJ-21	NPM				X				
OO-07	NPM	2021			X				
A-22	NPM	2021				X			
N-42	NPM	2021				X			
OO-24	NPM	2021				X			
OO-47	NPM	2021				X			
CE-29	NPM	2021					X		
CE-35	NPM	2021					X		
J-19	NPM	2021					X		
Z-34	NPM	2021					X		
Non-Priority Non-Major Outfalls (every 10 years)									
BB-19a	NPNM	2022							
CE-49	NPNM	2023							
N-27	NPNM	2022							
A-19	NPNM	2022							
A-23	NPNM	2022							

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
A-24	NPNM	2022							
A-25	NPNM	2022							
A-26	NPNM	2022							
AA-10	NPNM	2022							
BB-16	NPNM	2022							
BB-17	NPNM	2022							
BB-18	NPNM	2022							
BB-19	NPNM	2022							
BB-20	NPNM	2022							
BB-21	NPNM	2022							
BB-22	NPNM	2022							
BB-23	NPNM	2022							
C-01	NPNM	2022							
CA-16	NPNM	2022							
G-01	NPNM	2022							
G-02	NPNM	2022							
G-03	NPNM	2022							
G-04	NPNM	2022							
G-05	NPNM	2022							
JJ-32	NPNM	2022							
N-25	NPNM	2022							
N-46	NPNM	2022							
OO-38	NPNM	2022							
OO-39	NPNM	2022							
OO-40	NPNM	2022							
OO-41	NPNM	2022							
OO-42	NPNM	2022							
OO-43	NPNM	2022							
OO-44	NPNM	2022							
OO-48	NPNM	2022							
OO-65	NPNM	2022							
CE-50	NPNM	2023							
CE-51	NPNM	2023							
CE-52	NPNM	2023							
CE-53	NPNM	2023							
CE-54	NPNM	2023							
CE-55	NPNM	2023							
HH-05	NPNM	2023							
HH-06	NPNM	2023							
HH-07	NPNM	2023							
HH-08	NPNM	2023							
HH-09	NPNM	2023							
JJ-35	NPNM								
K-09	NPNM	2023							
KK-22c	NPNM	2023							
KK-29	NPNM	2023							
KK-30	NPNM	2023							

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
KK-31	NPNM	2023							
N-33	NPNM	2023							
N-35	NPNM	2023							
N-37	NPNM	2023							
N-38	NPNM	2023							
N-39	NPNM	2023							
N-41	NPNM	2023							
N-43	NPNM	2023							
N-44	NPNM	2023							
N-45	NPNM	2023							
OO-49	NPNM	2023							
Z-28	NPNM	2023							
Z-36	NPNM	2023							
Z-37	NPNM	2023							
CE-47	NPNM	2023	X						
CE-48	NPNM	2023	X						
J-10	NPNM	2018	X						
J-11	NPNM	2018	X						
J-13	NPNM		X						
J-14	NPNM		X						
J-15	NPNM		X						
J-16	NPNM		X						
J-17	NPNM		X						
J-18	NPNM		X						
J-20	NPNM		X						
J-21	NPNM		X						
J-22	NPNM		X						
N-34	NPNM	2023	X						
N-36	NPNM	2023	X						
N-40	NPNM	2023	X						
OO-52	NPNM		X						
OO-54	NPNM		X						
OO-55	NPNM		X						
OO-56	NPNM		X						
OO-58	NPNM		X						
OO-59	NPNM		X						
OO-61	NPNM		X						
Q-03	NPNM		X						
Q-04	NPNM		X						
Q-05	NPNM		X						
Z-16	NPNM	2018	X						
Z-17	NPNM	2018	X						
Z-29	NPNM		X						
Z-30	NPNM		X						
Z-31	NPNM		X						
Z-32	NPNM		X						
Z-33	NPNM		X						

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
Z-35	NPNM		X						
Z-38	NPNM		X						
A-12	NPNM	2015		X					
BB-09	NPNM	2017		X					
BB-12	NPNM	2017		X					
BB-13	NPNM	2017		X					
CA-08	NPNM	2016		X					
CA-09	NPNM	2017		X					
CA-10	NPNM	2017		X					
CB-02	NPNM	2016		X					
CB-03	NPNM	2016		X					
CB-04	NPNM	2016		X					
CB-05	NPNM	2016		X					
CB-11	NPNM	2016		X					
CB-12	NPNM	2016		X					
CB-13	NPNM	2016		X					
CB-14	NPNM	2016		X					
CB-15	NPNM	2016		X					
CB-22	NPNM	2016		X					
CB-23	NPNM	2016		X					
CB-24	NPNM	2016		X					
GV-01	NPNM	2016		X					
GV-02	NPNM	2016		X					
GV-03	NPNM	2016		X					
GV-04	NPNM	2016		X					
GV-05	NPNM	2016		X					
GV-06	NPNM	2016		X					
GV-07	NPNM	2016		X					
GV-08	NPNM	2016		X					
JJ-26	NPNM	2016		X					
JJ-27	NPNM	2016		X					
A-01	NPNM	2017			X				
A-02	NPNM	2017			X				
A-03	NPNM	2017			X				
A-04	NPNM	2017			X				
A-05	NPNM	2017			X				
A-09	NPNM	2017			X				
A-10a	NPNM	2017			X				
A-10b	NPNM	2017			X				
A-11	NPNM	2017			X				
A-17	NPNM	2017			X				
A-21	NPNM	2014			X				
AA-01	NPNM	2017			X				
AA-02	NPNM	2017			X				
AA-05	NPNM	2017			X				
AA-07	NPNM	2017			X				
AA-07a	NPNM	2017			X				

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
AA-09	NPNM	2017			X				
JJ-08	NPNM				X				
JJ-12	NPNM				X				
JJ-13	NPNM	2018			X				
JJ-17	NPNM				X				
JJ-18	NPNM				X				
JJ-22	NPNM				X				
JJ-23	NPNM	2017			X				
JJ-24	NPNM	2017			X				
JJ-25	NPNM	2017			X				
OO-01	NPNM	2017			X				
OO-02	NPNM	2017			X				
OO-03	NPNM	2017			X				
OO-05	NPNM	2017			X				
OO-06	NPNM	2017			X				
CE-02	NPNM	2020				X			
CE-03a	NPNM	2020				X			
CE-05	NPNM	2020				X			
CE-07	NPNM	2020				X			
CE-08	NPNM	2020				X			
CE-09	NPNM	2020				X			
CE-10	NPNM	2020				X			
CE-11	NPNM	2020				X			
CE-42	NPNM	2020				X			
CE-43	NPNM	2020				X			
CE-44	NPNM	2020				X			
CE-46	NPNM	2020				X			
N-11	NPNM	2018				X			
N-12	NPNM	2018				X			
N-13	NPNM	2018				X			
N-14	NPNM	2020				X			
N-15	NPNM	2020				X			
N-16	NPNM	2020				X			
N-17	NPNM	2020				X			
N-18	NPNM	2020				X			
N-20	NPNM	2020				X			
N-21	NPNM	2020				X			
N-22	NPNM	2020				X			
N-23	NPNM	2020				X			
OO-25	NPNM	2018				X			
OO-26	NPNM	2018				X			
OO-28	NPNM	2018				X			
OO-29	NPNM	2018				X			
OO-30	NPNM	2018				X			
OO-31	NPNM	2018				X			
CC-01	NPNM	2018					X		
CC-02	NPNM	2018					X		

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
CC-03	NPNM	2018					X		
CE-28	NPNM	2019					X		
CE-30	NPNM	2019					X		
CE-31	NPNM	2019					X		
CE-33	NPNM	2019					X		
CE-34	NPNM	2019					X		
CE-36	NPNM	2019					X		
CE-37	NPNM	2019					X		
CE-38	NPNM	2019					X		
CE-39	NPNM	2019					X		
CE-40	NPNM	2019					X		
J-02	NPNM	2018					X		
J-03	NPNM	2018					X		
J-04	NPNM	2018					X		
J-05	NPNM	2018					X		
J-06	NPNM	2018					X		
J-07	NPNM	2018					X		
J-12	NPNM	2015					X		
K-01	NPNM	2019					X		
K-02	NPNM	2019					X		
K-03	NPNM						X		
K-04	NPNM	2019					X		
K-05	NPNM	2019					X		
K-06	NPNM	2019					X		
K-07	NPNM	2019					X		
K-08	NPNM	2019					X		
OO-35	NPNM	2018					X		
Q-02	NPNM	2019					X		
Z-05	NPNM	2019					X		
CB-21	NPNM	2016						X	
CE-14	NPNM	2020						X	
CE-16	NPNM	2020						X	
CE-17	NPNM	2019						X	
CE-18	NPNM	2019						X	
CE-19	NPNM	2019						X	
CE-20	NPNM	2019						X	
CE-21	NPNM	2019						X	
CE-22	NPNM	2019						X	
CE-23	NPNM	2019						X	
CE-24	NPNM	2019						X	
CE-25	NPNM	2019						X	
KK-22a	NPNM	2020						X	
KK-22b	NPNM	2020						X	
KK-24	NPNM	2020						X	
KK-25	NPNM	2020						X	
KK-26	NPNM	2020						X	
KK-28	NPNM	2020						X	

Outagamie County Ongoing Screening Program

Outfall Screening Schedule, by Year

Outfall ID	Class	Last Screened	2024	2025	2026	2027	2028	2029	2030
A-06	NPNM	2021							
CA-12	NPNM	2021							
CA-14	NPNM	2021							
CA-15	NPNM	2021							
CB-08	NPNM	2021							
CB-10	NPNM	2021							
CB-26	NPNM	2021							
CB-28	NPNM	2021							
CB-29	NPNM	2021							
CB-31	NPNM	2021							
CB-32	NPNM	2021							
CB-33	NPNM	2021							
GV-12	NPNM	2021							
GV-13	NPNM	2021							
GV-14	NPNM	2021							
GV-15	NPNM	2021							
GV-16	NPNM	2021							
GV-17	NPNM	2021							
Totals			**55**	**50**	**51**	**49**	**50**	**33**	**15**

P	Priority Outfall
NPM	Non-Priority Major Outfall
NPNM	Non-Priority Non-Major Outfall

Appendix B
Outfall Inspection Reports

A-06

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Other

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20170725103434.JPG

Outfall Notes:
Swale on east side of CTH A discharges to stream. Includes CTH A storm sewer discharge immediately upstream.

County Coordinates:		**Latitude/Longitude:**	
Northing:	576,781	Latitude:	44.30174
Easting:	817,231	Longitude:	-88.44565

Location Map



Inspection Date: **10/27/2021 12:30:04 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211027122922.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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Inspection Date: **7/25/2017 10:43:36 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 48-72

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		Floatables:	None
Total Chlorine:	-- *ppm*	Odor:	None
Free Chlorine:	-- *ppm*	Turbidity:	None
Ammonia:	-- *ppm*	Color:	None
pH:	-- *units*	Gross Solids:	None
Temperature	-- *° F*	Vegetation:	None
Conductivity:	-- *µS/cm*	Benthic Growth:	None
Detergents:	-- *mg/L*	Stains:	None
		Non-illicit:	None

Notes

No flow entering channel from upstream.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20170725103442.JPG

2017

Inspection Date: **10/22/2015 3:36:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: **Unlikely** Inspector: PC

Submerged: Depth (in):

Sampling Results

Sample Location:		Floatables:	
Total Chlorine:	-- *ppm*	Odor:	
Free Chlorine:	-- *ppm*	Turbidity:	
Ammonia:	-- *ppm*	Color:	
pH:	-- *units*	Gross Solids:	
Temperature	-- *° F*	Vegetation:	
Conductivity:	-- *µS/cm*	Benthic Growth:	
Detergents:	-- *mg/L*	Stains:	
		Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151022143628.JPG

2015

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A-16

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 30
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



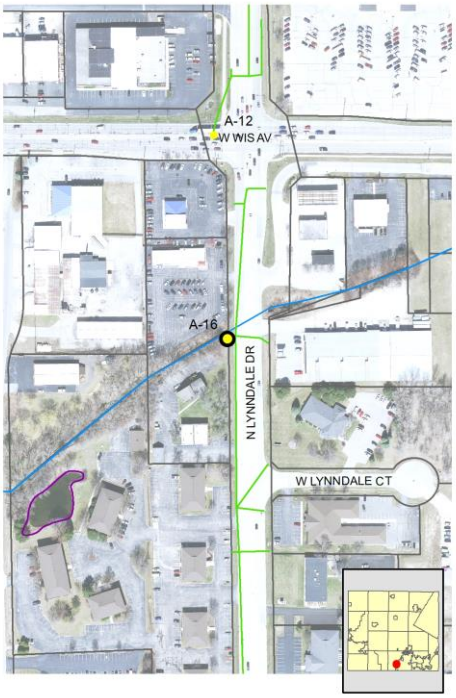
oc20211027115120.JPG

Outfall Notes:
CTH A storm sewer discharges to stream west of road.

County Coordinates:
Northing: 565,906
Easting: 817,082

Latitude/Longitude:
Latitude: 44.27191
Longitude: -88.44624

Location Map



Inspection Date: **10/27/2021 11:51:41 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Trickle**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from pipe flow. Apron displaced 2" from pipe.



oc20211027115124.JPG

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other ☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: None
Color: None
Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other
Vegetation: None ☐ Inhibited ☐ Excessive
Benthic Growth: Moderate ☑ Green ☐ Brown
Stains: Slight ☑ Flow Line ☐ Oil ☐ Rust Stains ☐ Paint ☐ Other
Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

2021

Physical Condition Assessment
Graffiti: None
Erosion: None
Deposition: None
Damage: Minor
Depth (in):
☑ Displacement ☐ Undercut ☐ Crushed ☐ Corrosion ☑ Cracks/Structural Damage

Sampling Results

Sample Location:	Flow	
Sample ID:	211027-94	
Time Collected:	11:53	
Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	8.19	*units*
Temperature (field):	57	*° F*
Conductivity (field):	1930	*µS/cm*
Detergents:	0	*mg/L*

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Inspection Date: 10/20/2020 10:37:07 AM | Type: Ongoing | Flow: Trickle | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely | Inspector: JCW

Submerged: None | Depth (in):

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	ppm
Free Chlorine:	0	ppm
Ammonia:	0	ppm
pH:	8.5	units
Temperature	46	° F
Conductivity:	2140	µS/cm
Detergents:	0	mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Moderate
Stains:	Slight
Non-illicit:	None

Notes

Sample collected from pipe flow. Apron displaced 1". Slightly elevated conductivity - within 10%. No flow from east of CTH A.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	



oc20201020103440.JPG

2020

Inspection Date: 10/9/2019 7:15:00 PM | Type: Ongoing | Flow: Trickle | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely | Inspector: JCW

Submerged: None | Depth (in):

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	ppm
Free Chlorine:	0	ppm
Ammonia:	0	ppm
pH:	8.12	units
Temperature	72	° F
Conductivity:	1663	µS/cm
Detergents:	0	mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Moderate
Stains:	None
Non-illicit:	None

Notes

1.5 inch joint displacement between concrete pipe and concrete apron. Flow from ditch on east side of Lynndale Dr.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	



oc20191009191613.JPG

2019

Inspection Date: 11/1/2018 8:36:27 AM | Type: Ongoing | Flow: Trickle | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential | Inspector: KMK

Submerged: None | Depth (in):

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	ppm
Free Chlorine:	0	ppm
Ammonia:	0	ppm
pH:	8.16	units
Temperature	53	° F
Conductivity:	2240	µS/cm
Detergents:	0.6	mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Slight
Stains:	Slight
Non-illicit:	None

Notes

Elevated conductivity and detergent detected in sample from flow.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	



oc20181101083540.JPG

2018

Inspection Date: 7/31/2017 11:32:57 AM | Type: Ongoing | Flow: Submerged, slight flow | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential | Inspector: KMK

Submerged: Partially | Depth (in): 0.25

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	ppm
Free Chlorine:	0	ppm
Ammonia:	0	ppm
pH:	8.47	units
Temperature	81.1	° F
Conductivity:	2730	µS/cm
Detergents:	0	mg/L

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Moderate
Stains:	Moderate
Non-illicit:	None

Notes

Chipping/popouts on apron. Elevated conductivity in sample collected from submerged flow on apron.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	



oc20170731112124.JPG

2017

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Inspection Date: **11/30/2015 10:06:00 AM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:
Erosion:
Deposition: in.
Damage:



oc20151130111120.JPG

2015

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A-18

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
Channel - concrete

City ID:
N/A

Dimensions
Diameter (in): 36
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027122604.JPG

Outfall Notes:
CTH A culvert discharges to stream from west.
Includes discharge from upstream storm sewer.

County Coordinates:
Northing: 576,821
Easting: 817,213

Latitude/Longitude:
Latitude: 44.30184
Longitude: -88.44571

Location Map



Inspection Date: **10/27/2021 12:26:43 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Substantial**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from pipe flow.



oc20211027122618.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Moderate	☑ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Flow
Sample ID: 211027-70
Time Collected: 12:27

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.80	*units*
Temperature (field):	59	*° F*
Conductivity (field):	933	*µS/cm*
Detergents:	0	*mg/L*

Checked by: JCW - 1/24/2022

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A-20

Outagamie County

Priority Outfall

Structure Type:
Manhole

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Manhole/Catchbasin

Material:
Channel - concrete

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

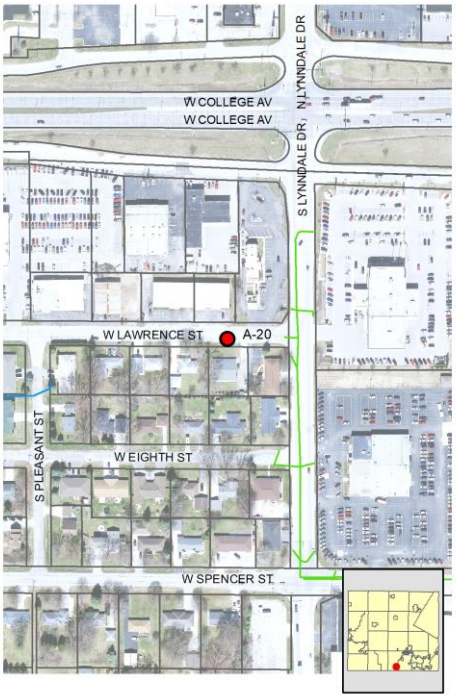


oc20211027113222.JPG

Outfall Notes:
Storm sewer from CTH A discharges to Grand Chute storm sewer and flows west on Lawrence St. Screened at first manhole on Lawrence St (downstream of right-of-way).

County Coordinates:		**Latitude/Longitude:**	
Northing:	561,666	Latitude:	44.26028
Easting:	816,999	Longitude:	-88.44657

Location Map



Inspection Date: **10/27/2021 11:33:18 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Moderate**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from flow in manhole.



oc20211027113232.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Slight	☐ Litter	☑ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	Slight	☑ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Flow
Sample ID: 211027-15
Time Collected: 11:35

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.88	*units*
Temperature (field):	57	*° F*
Conductivity (field):	1685	*µS/cm*
Detergents:	0	*mg/L*

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A-22

Outagamie County

Priority Outfall

Structure Type:
Manhole

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Manhole/Catchbasin

Material:
Manhole - concrete

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

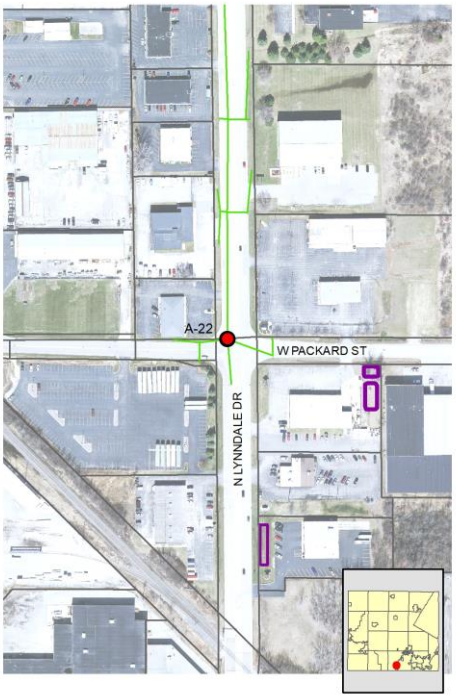


oc20211103084154.JPG

Outfall Notes:
CTH A storm sewer flows into Grand Chute storm sewer (south of Packard St) and continues south.

County Coordinates:		**Latitude/Longitude:**	
Northing:	563,785	Latitude:	44.26609
Easting:	817,143	Longitude:	-88.44601

Location Map



Inspection Date: **11/3/2021 8:46:54 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: CTH A pipe wet, but no flow at time of inspection. Flow in manhole from Packard St pipes (Grand Chute storm sewer).



oc20211103084210.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	Slight	☑ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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CA-11

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Channel - riprap

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

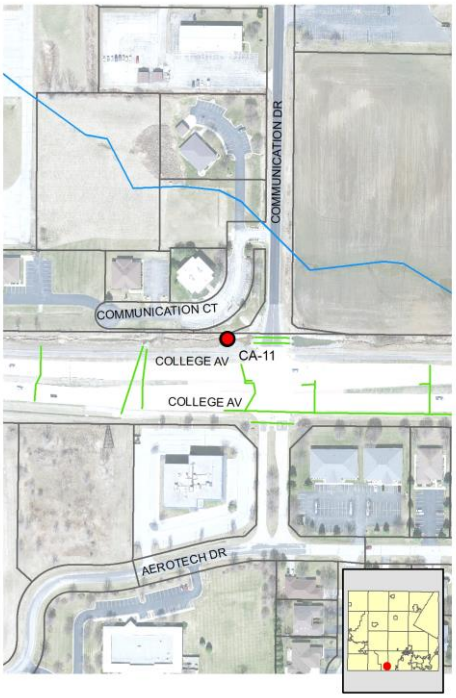


oc20211027104126.JPG

Outfall Notes:
Swale on north side of CTH CA discharges to navigable stream at Communication Drive. Screened upstream (west) of Communication Dr culverts.

County Coordinates:		**Latitude/Longitude:**	
Northing:	562,485	Latitude:	44.26254
Easting:	802,442	Longitude:	-88.50213

Location Map



Inspection Date: **10/27/2021 10:41:45 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Moderate**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from flow in swale immediately upstream of culverts.



oc20211027104136.JPG

Floatables:	Moderate	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☑ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Slight	☑ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Flow
Sample ID: 211027-51
Time Collected: 10:42

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.71	*units*
Temperature (field):	53	*° F*
Conductivity (field):	952	*µS/cm*
Detergents:	0	*mg/L*

Checked by: JCW - 1/24/2022

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CA-12

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 12
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



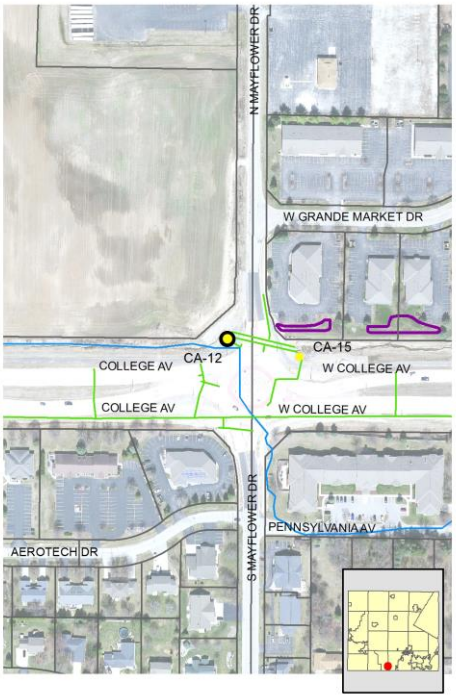
oc20211027105054.JPG

Outfall Notes:
CTH CA curb inlets discharge to stream from south immediately upstream of culverts.

County Coordinates:
Northing: 562,486
Easting: 803,834

Latitude/Longitude:
Latitude: 44.26254
Longitude: -88.49682

Location Map



Inspection Date: **10/27/2021 10:52:06 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Pipe dry at time of inspection.



oc20211027105058.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	Slight	☑ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CA-14

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in): 30
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

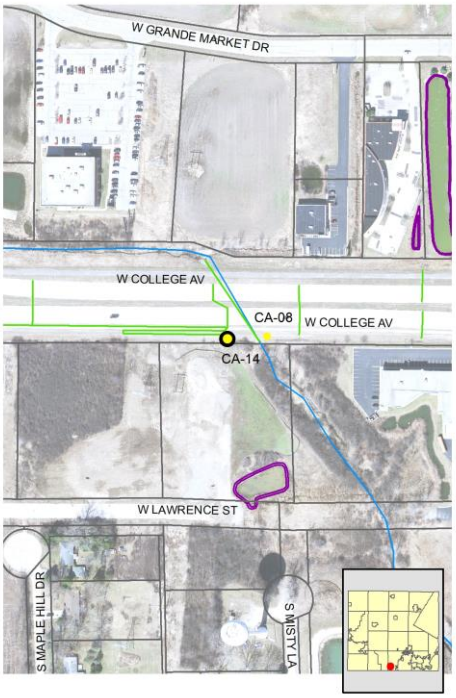


oc20211027110650.JPG

Outfall Notes:
CTH CA storm sewer exits BMP on south side of highway and discharges to stream from west.

County Coordinates:		**Latitude/Longitude:**	
Northing:	562,236	Latitude:	44.26185
Easting:	807,828	Longitude:	-88.48157

Location Map



Inspection Date: **10/27/2021 11:07:14 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: End of pipe wet - pipe dry approx 3 feet upstream from end.



oc20211027110700.JPG

Floatables:	Slight	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☑ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Moderate	☐ Green	☑ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	Moderate	☑ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CA-15

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 12
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



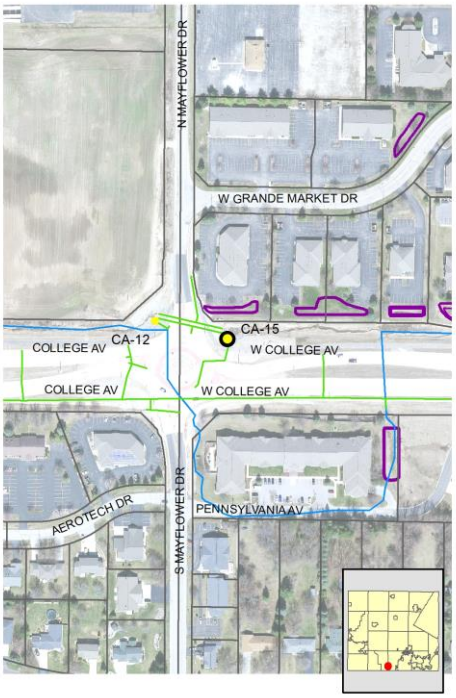
oc20211027105358.JPG

Outfall Notes:
CTH CA storm sewer discharges to navigable stream on north side of highway from south.

County Coordinates:
Northing: 562,442
Easting: 804,010

Latitude/Longitude:
Latitude: 44.26242
Longitude: -88.49614

Location Map



Inspection Date: **10/27/2021 10:55:24 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Apron wet, but no collectable flow at time of inspection.



oc20211027105412.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Slight	☑ Green	☑ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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CB-07

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

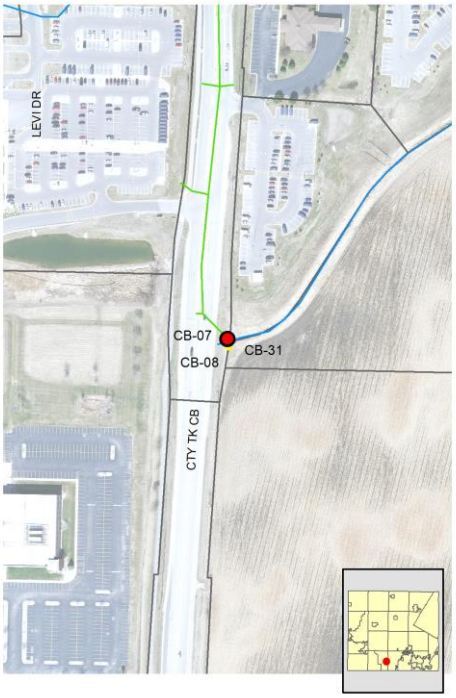


oc20211027092414.JPG

Outfall Notes:
CTH CB storm sewer discharges to stream from north.

County Coordinates:		**Latitude/Longitude:**	
Northing:	569,936	Latitude:	44.28297
Easting:	801,392	Longitude:	-88.50614

Location Map



Inspection Date: **10/27/2021 9:24:55 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Pipe dry at time of inspection. Apron undercut 8".



oc20211027092420.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	Moderate	☑ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: Minor ☐ Displacement ☑ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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Inspection Date: **8/4/2016 8:41:32 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	Slight
Non-illicit:	None

Notes

Outfall dry at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20160804074346.JPG

2016

Inspection Date: **12/21/2015 3:03:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151221150300.JPG

2015

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CB-08

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Brush/Weeds

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

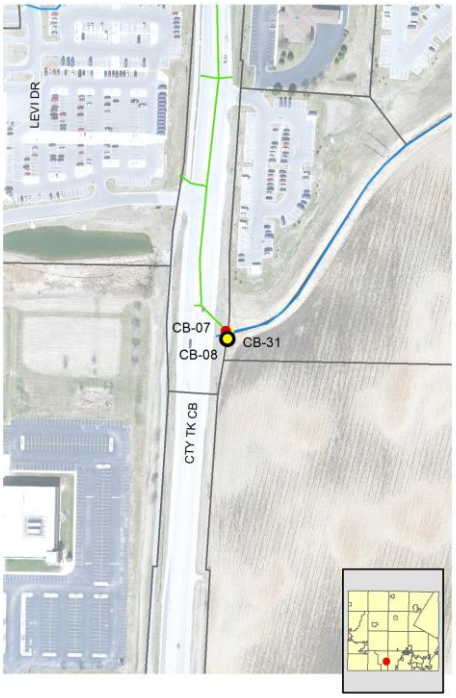


oc20211027092700.JPG

Outfall Notes:
Swale on east side of CTH CB discharges to stream from south.

County Coordinates:		**Latitude/Longitude:**	
Northing:	569,916	Latitude:	44.28292
Easting:	801,395	Longitude:	-88.50613

Location Map



Inspection Date: **10/27/2021 9:28:00 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211027092708.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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Inspection Date: **8/4/2016 8:44:33 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Outfall dry at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20160804074520.JPG

2016

Inspection Date: **12/21/2015 3:04:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151221150400.JPG

2015

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CB-09

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

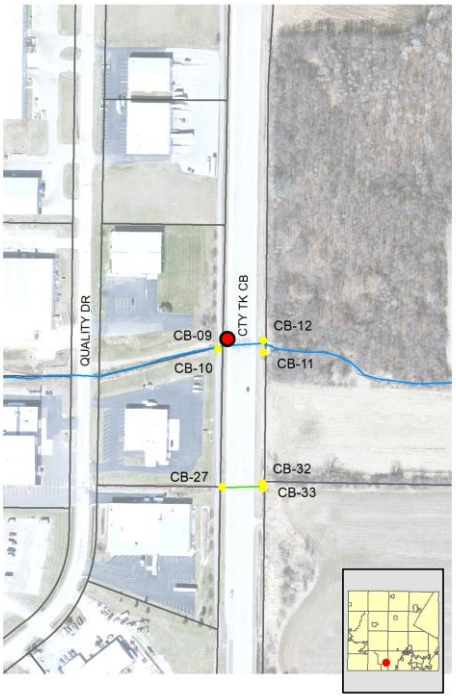


oc20211027093642.JPG

Outfall Notes:
Swale on west side of CTH CB discharges to stream from north via storm sewer pipe. Pipe discharges into side of culvert approx 8' from west end.

County Coordinates:		**Latitude/Longitude:**	
Northing:	568,032	Latitude:	44.27775
Easting:	801,213	Longitude:	-88.50682

Location Map



Inspection Date: **10/27/2021 9:37:38 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Pipe wet, but no collectable flow at time of inspection.



oc20211027093648.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **8/4/2016 8:32:56 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Outfall dry at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20160804073256.JPG

2016

Inspection Date: **12/21/2015 2:49:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151221144936.JPG

2015

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CB-10

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

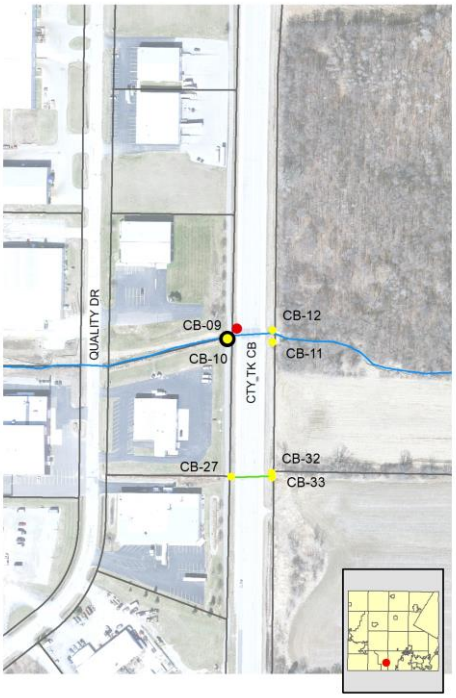


oc20211027093856.JPG

Outfall Notes:
Swale on west side of CTH CB discharges to stream from south.

County Coordinates:		**Latitude/Longitude:**	
Northing:	568,007	Latitude:	44.27768
Easting:	801,191	Longitude:	-88.50691

Location Map



Inspection Date: **10/27/2021 9:39:42 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale dry at time of inspection.



oc20211027093908.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **8/4/2016 8:31:44 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Outfall dry at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20160804073144.JPG

2016

Inspection Date: **12/21/2015 2:50:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151221145040.JPG

2015

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CB-16

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Cattails

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



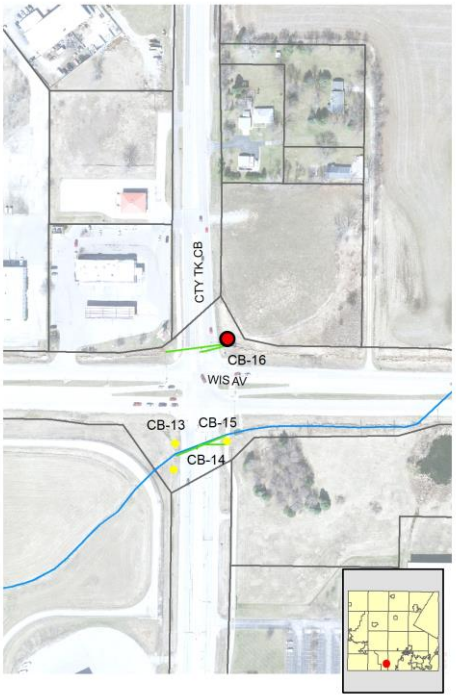
oc20211027100334.JPG

Outfall Notes:
Swale on east side of CTH CB discharges to STH 96 right-of-way from north.

County Coordinates:
Northing: 566,454
Easting: 801,318

Latitude/Longitude:
Latitude: 44.27342
Longitude: -88.50642

Location Map



Inspection Date: **10/27/2021 10:04:26 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211027100344.JPG

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other ☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: None
Color: None
Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other
Vegetation: None ☐ Inhibited ☐ Excessive
Benthic Growth: None ☐ Green ☐ Brown
Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains ☐ Paint ☐ Other
Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

2021

Physical Condition Assessment
Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed ☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results
Sample Location:
Sample ID:
Time Collected:
Total Chlorine (field): -- *ppm*
Free Chlorine (field): -- *ppm*
Ammonia (field): -- *ppm*
pH (field): -- *units*
Temperature (field): -- *° F*
Conductivity (field): -- *µS/cm*
Detergents: -- *mg/L*

Checked by: JCW - 1/24/2022

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Inspection Date: **8/3/2016 11:50:02 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Outfall dry at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20160803104944.JPG

2016

Inspection Date: **12/2/2015 2:35:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151202154016.JPG

2015

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CB-26

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - riprap

City ID:
N/A

Dimensions
Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027091254.JPG

Outfall Notes:
Swale on the east side of CTH CB flows north into Neubert Rd (Town of Greenville) storm sewer.

County Coordinates:		**Latitude/Longitude:**	
Northing:	572,588	Latitude:	44.29025
Easting:	801,412	Longitude:	-88.50607

Location Map



Inspection Date: **10/27/2021 9:14:46 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Swale and receiving storm sewer pipe dry at time of inspection.



oc20211027091258.JPG

2021

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CB-27

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
PVC

City ID:
N/A

Dimensions
Diameter (in): 12
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

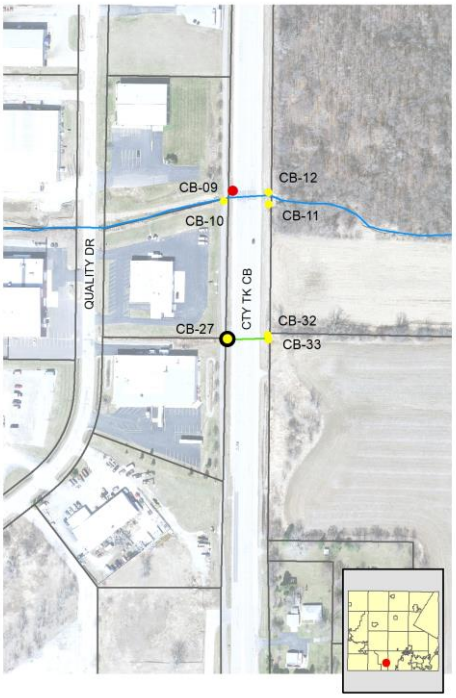


oc20211027094610.JPG

Outfall Notes:
Flow from the west ditch of CTH CB discharges to stream from north via 12" PVC pipe in manhole. Flow on south side of stream continues south.

County Coordinates:		**Latitude/Longitude:**	
Northing:	567,669	Latitude:	44.27675
Easting:	801,200	Longitude:	-88.50687

Location Map



Inspection Date: **10/27/2021 9:47:28 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Pipe dry at time of inspection.



oc20211027094626.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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CB-28

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



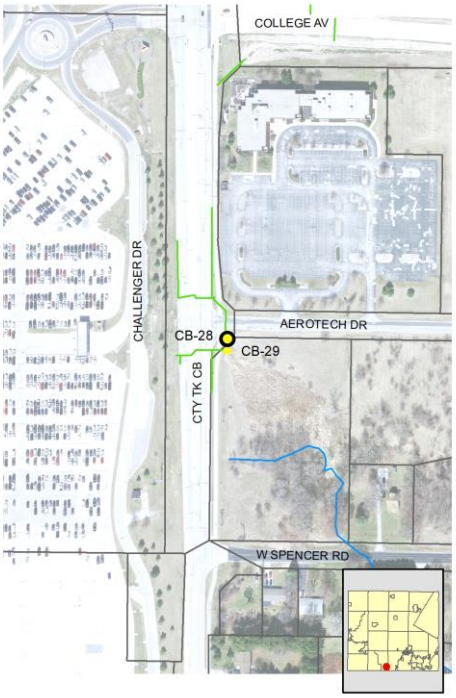
oc20211027101522.JPG

Outfall Notes:
CTH CB storm sewer (north of Aerotech Dr) discharges outside of right-of-way and continues east in channel.

County Coordinates:
Northing: 561,618
Easting: 801,299

Latitude/Longitude:
Latitude: 44.26016
Longitude: -88.50649

Location Map



Inspection Date: **10/27/2021 10:14:52 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Sediment in pipe wet, but no collectable flow at time of inspection.



oc20211027101530.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Slight	☑ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Minor Depth (in): 3
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CB-29

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



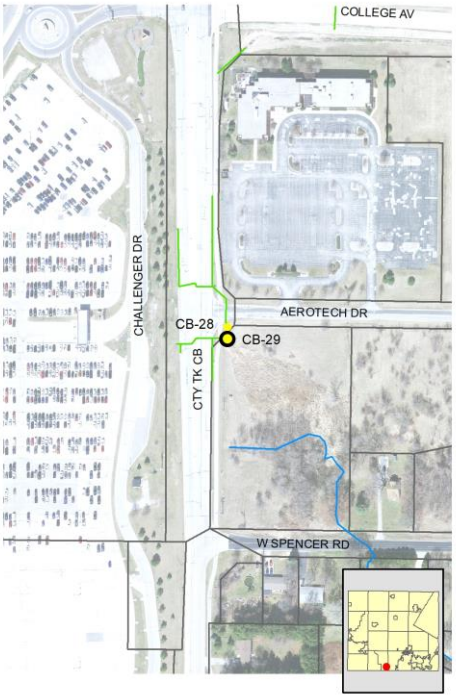
oc20211027101818.JPG

Outfall Notes:
CTH CB storm sewer (south of Aerotech Dr) leaves right-of-way and continues east in channel.

County Coordinates:
Northing: 561,590
Easting: 801,297

Latitude/Longitude:
Latitude: 44.26008
Longitude: -88.50650

Location Map



Inspection Date: **10/27/2021 10:17:58 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Sediment in pipe wet, but no collectable flow at time of inspection.



oc20211027101824.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Slight	☑ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate Depth (in): 8
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CB-30

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Outside Permitted Area

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

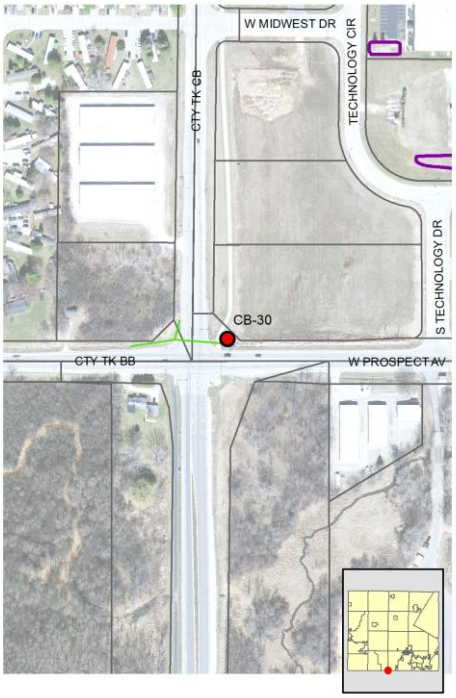


oc20211027102636.JPG

Outfall Notes:
Flow from CTH CB east swale and west swale (via culvert) leaves right-of-way and continues east in swale.

County Coordinates:		**Latitude/Longitude:**	
Northing:	555,818	Latitude:	44.24425
Easting:	803,921	Longitude:	-88.49649

Location Map



Inspection Date: **10/27/2021 10:27:26 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Culvert and swale dry at time of inspection.



oc20211027102658.JPG

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other
Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other ☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant
Turbidity: None
Color: None
Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other
Vegetation: None ☐ Inhibited ☐ Excessive
Benthic Growth: None ☐ Green ☐ Brown
Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains ☐ Paint ☐ Other
Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

2021

Physical Condition Assessment
Graffiti: None
Erosion: None
Deposition: Minor Depth (in): 1
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed ☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results
Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CB-31

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Other

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027092612.JPG

Outfall Notes:
Swale on east side of CTH CB discharges to stream from north.

County Coordinates:		**Latitude/Longitude:**	
Northing:	569,935	Latitude:	44.28297
Easting:	801,401	Longitude:	-88.50611

Location Map



Inspection Date: **10/27/2021 9:26:00 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211027092616.JPG

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains
☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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CB-32

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

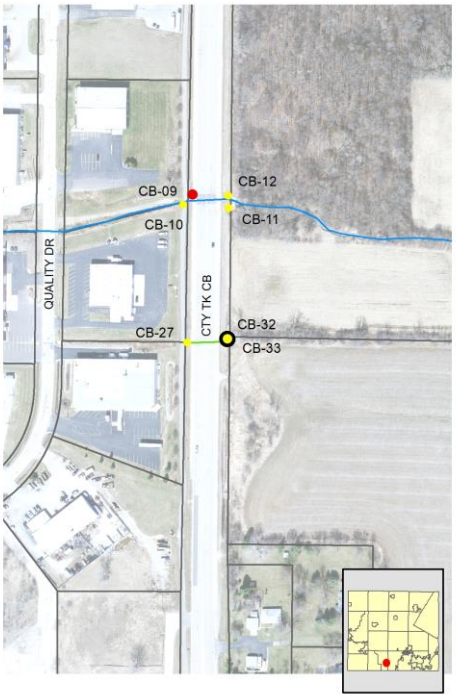


oc20211027095136.JPG

Outfall Notes:
Swale on east side of CTH CB discharges to stream from north.

County Coordinates:		**Latitude/Longitude:**	
Northing:	567,678	Latitude:	44.27678
Easting:	801,298	Longitude:	-88.50650

Location Map



Inspection Date: **10/27/2021 9:54:08 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale wet, but no collectable flow at time of inspection.



oc20211027095144.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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CB-33

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

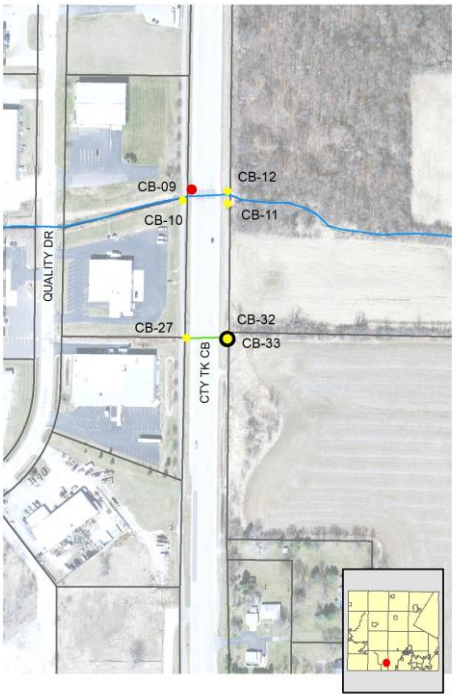


oc20211027095202.JPG

Outfall Notes:
Swale on east side of CTH CB discharges to stream from south. Includes drainage area from west side of CTH CB that crosses south of outfall CB-27.

County Coordinates:		**Latitude/Longitude:**	
Northing:	567,667	Latitude:	44.27675
Easting:	801,300	Longitude:	-88.50649

Location Map



Inspection Date: **10/27/2021 9:54:56 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale wet, but no collectable flow at time of inspection.



oc20211027095210.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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CC-04

Outagamie County

Priority Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Other

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

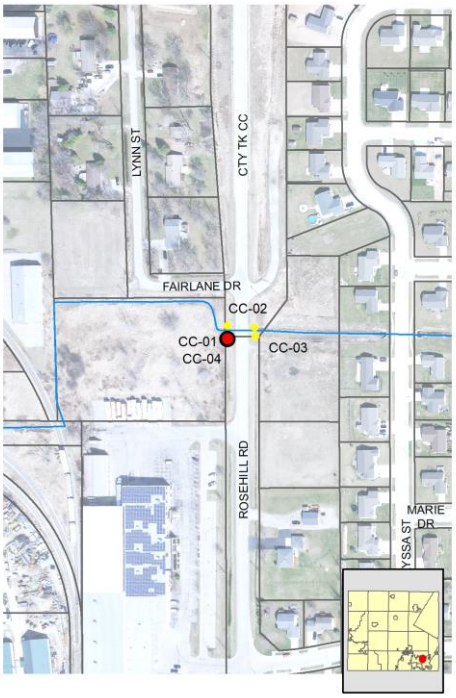


oc20211102115744.JPG

Outfall Notes:
Swale on west side of CTH CC discharges to stream from south.

County Coordinates:		**Latitude/Longitude:**	
Northing:	574,158	Latitude:	44.29436
Easting:	858,508	Longitude:	-88.28801

Location Map



Inspection Date: **11/2/2021 11:58:38 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Ditch bottom wet, but no collectable flow at time of inspection.



oc20211102115812.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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Inspection Date: **10/18/2018 4:19:18 PM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow in swale at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20181018151920.JPG

2018

Inspection Date: **10/26/2015 11:54:00 AM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: **Unlikely** Inspector: BN

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151026105448.JPG

2015

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CE-29

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Other

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211102093946.JPG

Outfall Notes:
Swale on south side of CTH CE discharges to stream from west.

County Coordinates:		**Latitude/Longitude:**	
Northing:	561,049	Latitude:	44.25835
Easting:	864,520	Longitude:	-88.26520

Location Map



Inspection Date: **11/2/2021 9:40:15 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale dry at time of inspection. Channel erosion upstream of outfall. Graffiti inside box culvert under CTH CE.



oc20211102093952.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti:	Moderate				
Erosion:	Minor				
Deposition:	None	Depth (in):			
Damage:	None	☐ Displacement	☐ Undercut	☐ Crushed	
		☐ Corrosion	☐ Cracks/Structural Damage		

Sampling Results

Sample Location:		
Sample ID:		
Time Collected:		
Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **7/24/2019 12:30:20 PM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow in swale at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20190724122804.JPG

2019

Inspection Date: **10/30/2015 2:37:26 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: **Unlikely** Inspector: BN

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151030144216.JPG

2015

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CE-32

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in): 30
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211102092316.JPG

Outfall Notes:
CTH CE drainage discharged from ROW through culvert crossing CE Trail.

County Coordinates:
Northing: 560,847
Easting: 860,015

Latitude/Longitude:
Latitude: 44.25783
Longitude: -88.28239

Location Map



Inspection Date: 11/2/2021 9:22:09 AM Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, no flow**
Submerged: Partially Depth (in): 4
Illicit Discharge Potential: **Unlikely**

Notes: Upstream end of pipe wet, but no flow entering pipe. Sample collected from outfall pool.



oc20211102092324.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Slight	☑ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Pool
Sample ID: 211102-53
Time Collected: 09:24

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.41	*units*
Temperature (field):	45	*° F*
Conductivity (field):	1625	*µS/cm*
Detergents:	0	*mg/L*

Checked by: JCW - 1/24/2022

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Inspection Date: 10/6/2020 1:11:39 PM | Type: Ongoing | Flow: Submerged, no flow | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely | Inspector: QAL

Submerged: Partially | Depth (in): 5

Sampling Results

Sample Location:	Pool	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	7.73	*units*
Temperature	65	*° F*
Conductivity:	1609	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	Slight
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	Slight

Notes

No flow leaving apron. Sample collected from pool on apron.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20201006131824.JPG

2020

Inspection Date: 7/24/2019 12:53:00 PM | Type: Ongoing | Flow: Submerged, no flow | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential | Inspector: KMK

Submerged: Partially | Depth (in): 1

Sampling Results

Sample Location:	Pool	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	8.19	*units*
Temperature	74.6	*° F*
Conductivity:	2870	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	Moderate
Non-illicit:	None

Notes

Elevated conductivity detected in sample from outfall pool.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	



oc20190724124745.JPG

2019

Inspection Date: 11/2/2015 1:16:22 PM | Type: Initial | Flow: | Previous Rainfall (hrs):

Illicit Discharge Potential: Unlikely | Inspector: BN

Submerged: | Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151102142142.JPG

2015

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CE-35

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Other

Material:
Cattails

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211102094744.JPG

Outfall Notes:
Swale on south side of CTH CE discharges to stream from west.

County Coordinates:
Northing: 561,357
Easting: 869,327

Latitude/Longitude:
Latitude: 44.25916
Longitude: -88.24685

Location Map



Inspection Date: **11/2/2021 9:48:12 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211102094754.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **7/24/2019 11:44:29 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow in swale at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20190724115328.JPG

2019

Inspection Date: **10/30/2015 2:03:30 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: **Unlikely** Inspector: BN

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151030140840.JPG

2015

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CE-45

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in): 15
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



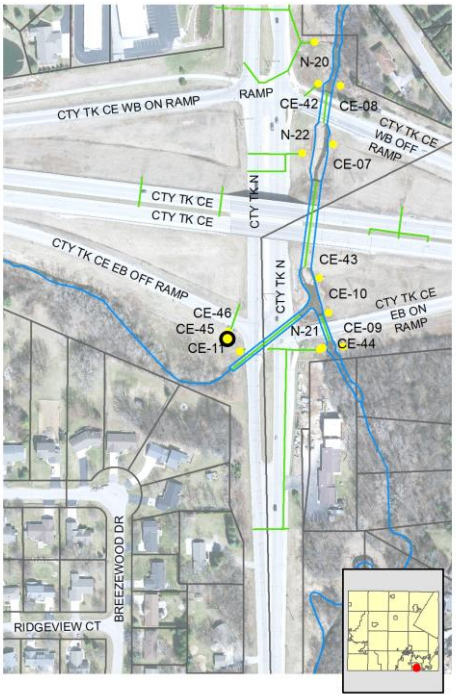
oc20211102084502.JPG

Outfall Notes:
Swale on north side of CTH CE off-ramp discharges to stream from north via culvert under off-ramp.

County Coordinates:
Northing: 559,940
Easting: 848,978

Latitude/Longitude:
Latitude: 44.25542
Longitude: -88.32453

Location Map



Inspection Date: **11/2/2021 8:45:34 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, no flow**

Submerged: Partially Depth (in): 4

Illicit Discharge Potential: **Potential**

Notes: No flow into upstream end of culvert. Sample collected from outfall pool due to elevated conductivity in prior years.



oc20211102084512.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Moderate	☑ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate Depth (in): 5
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Pool
Sample ID: 211102-57
Time Collected: 08:50

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.72	*units*
Temperature (field):	46	*° F*
Conductivity (field):	3550	*µS/cm*
Detergents:	0	*mg/L*

Checked by: JCW - 1/24/2022

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Inspection Date: **10/20/2020 8:29:27 AM** Type: Ongoing Flow: Submerged, no flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Potential** Inspector: JCW

Submerged: Partially Depth (in): 6

Sampling Results

Sample Location:	Pool	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	8.37	*units*
Temperature	47	*° F*
Conductivity:	4940	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	Moderate
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	None

Notes

Sediment and cattails on apron. Sample collected from isolated pool at upstream end of pipe. No apparent source of elevated conductivity.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	Minor	1 in.
Damage:	None	



oc20201020082734.JPG

2020

Inspection Date: **12/10/2015 10:12:51 AM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: JCW

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151210101302.JPG

2015

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GV-09

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



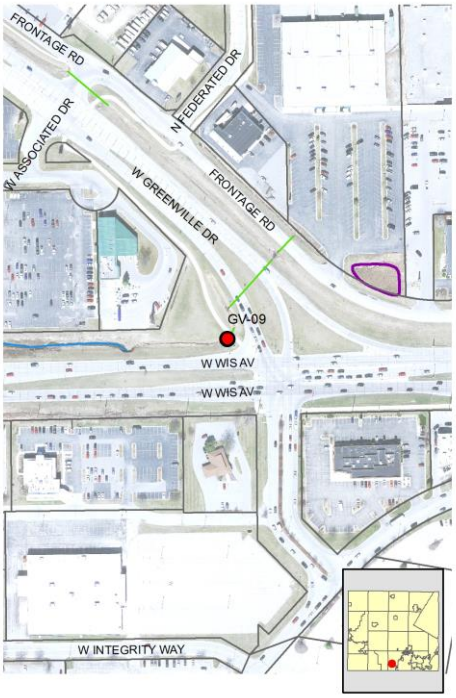
oc20211027082230.JPG

Outfall Notes:
CTH GV swales discharge to STH 96 right-of-way via culvert under sidewalk.

County Coordinates:
Northing: 566,425
Easting: 810,134

Latitude/Longitude:
Latitude: 44.27334
Longitude: -88.47276

Location Map



Inspection Date: **10/27/2021 8:21:22 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, indeterminate**
Submerged: Partially Depth (in): 7
Illicit Discharge Potential: **Unlikely**

Notes: No suitable upstream screening location - sample collected from outfall pool.



oc20211027082240.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Slight	☐ Green	☑ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Sampling Results

Sample Location: Pool
Sample ID: 211027-42
Time Collected: 08:22

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.24	*units*
Temperature (field):	54	*° F*
Conductivity (field):	841	*µS/cm*
Detergents:	0	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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Inspection Date: **8/4/2016 11:52:19 AM** Type: Ongoing Flow: Submerged, slight flow Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: Partially Depth (in): 4.5

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	7.81	*units*
Temperature	82.6	*° F*
Conductivity:	1362	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	Slight
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Moderate
Stains:	Moderate
Non-illicit:	None

Notes

Trickle flow at time of inspection. Sample taken from flow.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	Minor	0.5 in.
Damage:	None	



oc20160804105154.JPG

2016

Inspection Date: **11/30/2015 3:07:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151130161210.JPG

2015

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GV-12

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

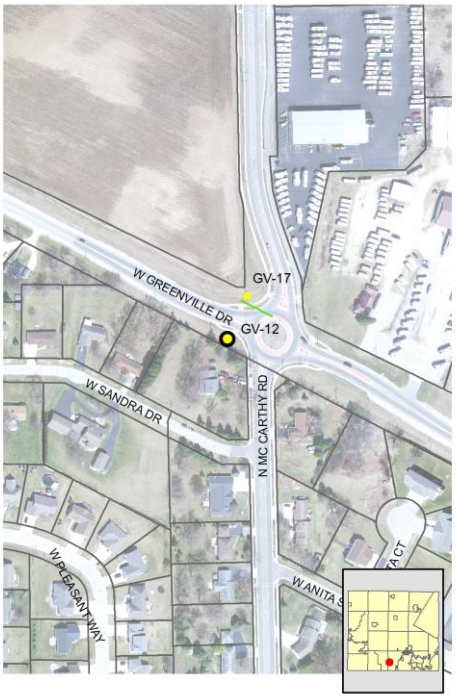


oc20211027084526.JPG

Outfall Notes:
Flow from south swale of CTH GV enters McCarthy Rd storm sewer (Town of Grand Chute) and flows south.

County Coordinates:		**Latitude/Longitude:**	
Northing:	568,796	Latitude:	44.27984
Easting:	806,428	Longitude:	-88.48691

Location Map



Inspection Date: **10/27/2021 8:44:35 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale and receiving storm sewer pipe dry at time of inspection.



oc20211027084530.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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GV-13

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Other

Material:
Brush/Weeds

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

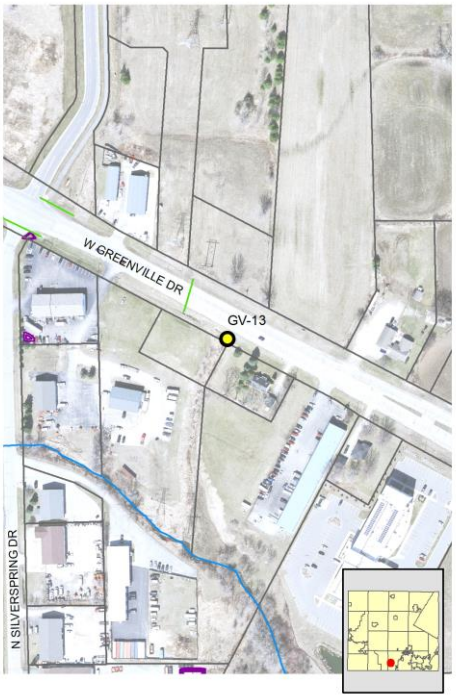


oc20211027085400.JPG

Outfall Notes:
Flow from south swale of CTH GV leaves right-of-way and continues south in channel.

County Coordinates:		**Latitude/Longitude:**	
Northing:	567,874	Latitude:	44.27731
Easting:	808,166	Longitude:	-88.48028

Location Map



Inspection Date: **10/27/2021 8:55:39 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale dry at time of inspection.



oc20211027085404.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None

☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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GV-14

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

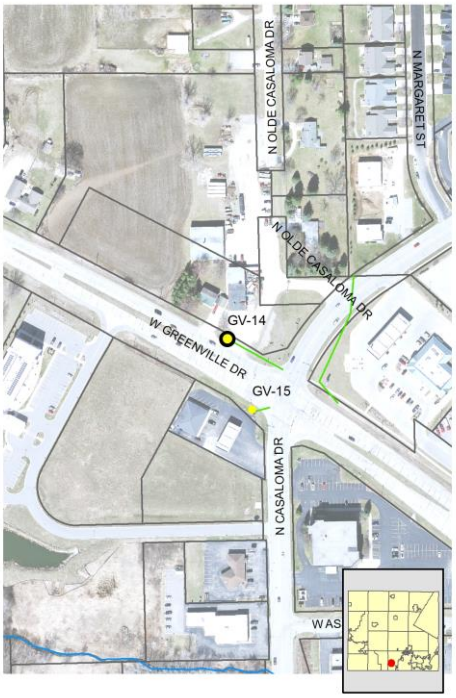


oc20211027083556.JPG

Outfall Notes:
Swale on north side of CTH GV enters Casaloma Dr storm sewer (Town of Grand Chute).

County Coordinates:		**Latitude/Longitude:**	
Northing:	567,513	Latitude:	44.27632
Easting:	809,069	Longitude:	-88.47683

Location Map



Inspection Date: **10/27/2021 8:37:34 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale and receiving culvert pipe dry at time of inspection.



oc20211027083608.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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GV-15

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027083228.JPG

Outfall Notes:
Swale on south side of CTH GV enters Casaloma Dr storm sewer (Town of Grand Chute).

County Coordinates:		**Latitude/Longitude:**	
Northing:	567,340	Latitude:	44.27585
Easting:	809,128	Longitude:	-88.47660

Location Map



Inspection Date: **10/27/2021 8:31:49 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale and receiving storm sewer pipe dry at time of inspection. Ditch eroded upstream of outfall.



oc20211027083234.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: Moderate
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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GV-16

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Other

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027090720.JPG

Outfall Notes:
Drainage from south (via 24" RCP) and north swales leaves right-of-way and flows north via channel.

County Coordinates:		**Latitude/Longitude:**	
Northing:	570,452	Latitude:	44.28439
Easting:	803,320	Longitude:	-88.49878

Location Map



Inspection Date: **10/27/2021 9:07:50 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: CTH GV culvert, swale and surrounding grass dry at time of inspection.



oc20211027090724.JPG

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains
☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

2021

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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GV-17

Outagamie County

Non-Priority Non-Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027084636.JPG

Outfall Notes:
Flow from north swale of CTH GV enters 18" RCP from McCarthy Rd storm sewer (Town of Grand Chute).

County Coordinates:		**Latitude/Longitude:**	
Northing:	568,900	Latitude:	44.28013
Easting:	806,476	Longitude:	-88.48673

Location Map



Inspection Date: **10/27/2021 8:47:07 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Swale and receiving storm sewer pipe dry at time of inspection.



oc20211027084640.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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J-19

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Arch

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in): 43
Width (in): 59

Mapping Precison:
Mapping GPS

☐ Not Physically Located

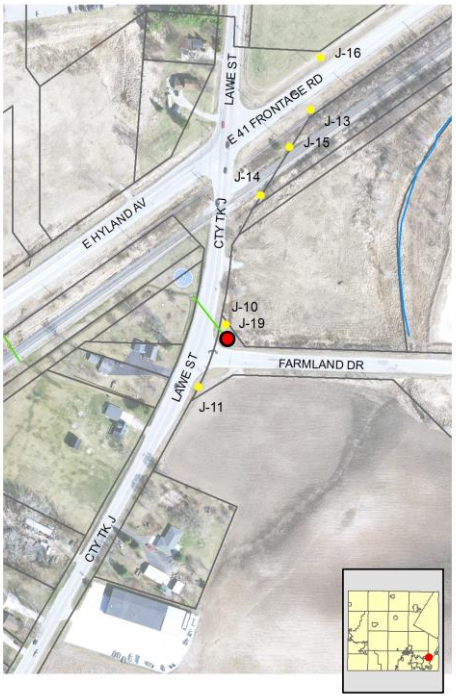


oc20211102103046.JPG

Outfall Notes:
Drainage from CTH OO and CTH J discharges to swale from culvert and continues to the east in Farmland Dr swale.

County Coordinates:		**Latitude/Longitude:**	
Northing:	576,582	Latitude:	44.30093
Easting:	868,605	Longitude:	-88.24943

Location Map



Inspection Date: **11/2/2021 10:30:14 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, no flow**

Submerged: Partially Depth (in): 1

Illicit Discharge Potential: **Unlikely**

Notes: Upstream end of culvert dry. Sample collected from submerged pool at outfall.



oc20211102103058.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	Moderate	☑ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Sampling Results

Sample Location:	Pool	
Sample ID:	211102-06	
Time Collected:	10:32	
Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	8.13	*units*
Temperature (field):	46	*° F*
Conductivity (field):	946	*µS/cm*
Detergents:	0	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Minor Depth (in): 1
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Outside Permitted Area

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

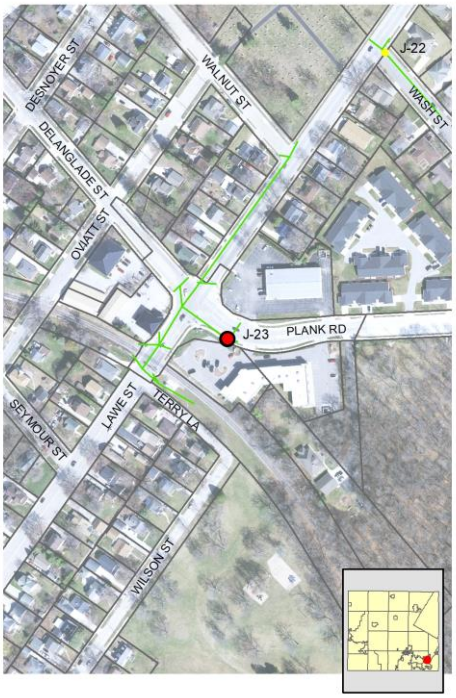


oc20211102102052.JPG

Outfall Notes:
Storm sewer from CTH J leaves permitted area and continues southwest on Plank Rd. Outgoing pipe screened at manhole. Pipe size not recorded.

County Coordinates:		**Latitude/Longitude:**	
Northing:	572,251	Latitude:	44.28907
Easting:	865,809	Longitude:	-88.26015

Location Map



Inspection Date: **11/2/2021 10:21:18 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Pipe dry at time of inspection.



oc20211102102100.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	Slight	☑ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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JJ-02

Outagamie County

Non-Priority Major Outfall

Structure Type:
Manhole

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Manhole/Catchbasin

Material:
Manhole - concrete

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027125834.JPG

Outfall Notes:
CTH JJ discharges to STH 47 storm sewer.
Screened at manhole in CTH JJ right-of-way.

County Coordinates:		**Latitude/Longitude:**	
Northing:	582,097	Latitude:	44.31630
Easting:	825,434	Longitude:	-88.41429

Location Map



Inspection Date: **10/27/2021 12:59:32 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Manhole dry at time of inspection.



oc20211027125850.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	Slight	☑ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Minor Depth (in): 1
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: 7/25/2017 2:10:51 PM | Type: Ongoing | Flow: Submerged, indeterminate | Previous Rainfall (hrs): 48-72

Illicit Discharge Potential: Unlikely | Inspector: KMK

Submerged: Partially | Depth (in): 2

Sampling Results

Sample Location:	Pool	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	7.85	*units*
Temperature	75.9	*° F*
Conductivity:	1606	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	Slight
Stains:	None
Non-illicit:	None

Notes

Sample collected from submerged pool in manhole.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	Minor	1 in.
Damage:	None	



oc20170725135652.JPG

2017

Inspection Date: 11/23/2015 1:18:00 PM | Type: Initial | Flow: | Previous Rainfall (hrs):

Illicit Discharge Potential: | Inspector: AS

Submerged: | Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151123142332.JPG

2015

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JJ-20

Outagamie County

Priority Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

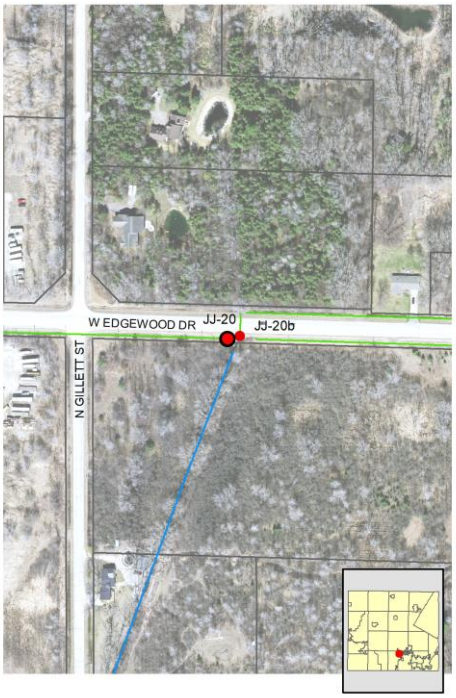


oc20211027124910.JPG

Outfall Notes:
Swale on south side of CTH JJ discharges to stream from west.

County Coordinates:		**Latitude/Longitude:**	
Northing:	582,220	Latitude:	44.31664
Easting:	821,511	Longitude:	-88.42928

Location Map



Inspection Date: **10/27/2021 12:49:48 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211027124922.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **7/25/2017 1:21:27 PM** Type: Ongoing Flow: None Previous Rainfall (hrs): 48-72

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow entering channel from upstream.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20170725131054.JPG

2017

Inspection Date: **11/23/2015 10:06:00 AM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151123111052.JPG

2015

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JJ-20b

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Pipe - Arch

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in): 39
Width (in): 71

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027124808.JPG

Outfall Notes:
Flow from north side of CTH JJ discharges to stream on south side of road through culvert.

County Coordinates:
Northing: 582,227
Easting: 821,541

Latitude/Longitude:
Latitude: 44.31666
Longitude: -88.42916

Location Map



Inspection Date: **10/27/2021 12:47:01 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, indeterminate**
Submerged: Partially Depth (in): 5
Illicit Discharge Potential: **Unlikely**

Notes: No upstream screening location - sample collected from submerged pool inside pipe.



oc20211027124816.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	Slight	☐ Green	☑ Brown			
Stains:	Slight	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☑ Natural Sheen	☐ Natural Suds/Foam			

2021

Sampling Results

Sample Location:	Pool	
Sample ID:	211027-58	
Time Collected:	12:48	
Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.55	*units*
Temperature (field):	58	*° F*
Conductivity (field):	1302	*µS/cm*
Detergents:	0	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None
Damage: Minor

Depth (in):
☐ Displacement ☐ Undercut ☐ Crushed
☑ Corrosion ☐ Cracks/Structural Damage

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JJ-21

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Cattails

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

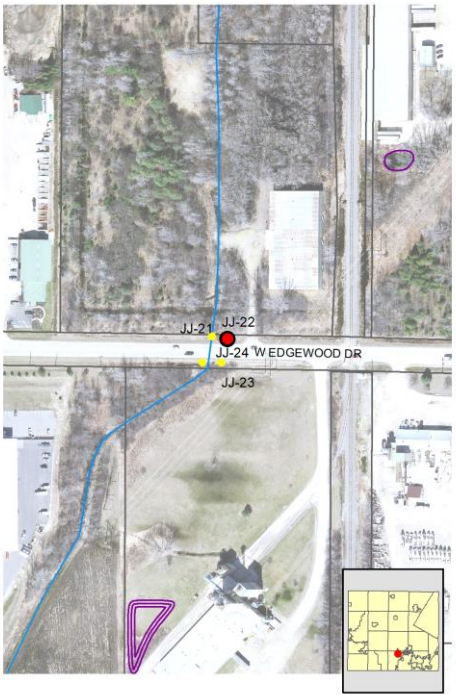


oc20211027123950.JPG

Outfall Notes:
Swale on north side of CTH JJ discharges to stream from east.

County Coordinates:		**Latitude/Longitude:**	
Northing:	582,339	Latitude:	44.31698
Easting:	819,503	Longitude:	-88.43695

Location Map



Inspection Date: **10/27/2021 12:40:22 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211027124000.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **7/25/2017 12:32:44 PM** Type: Ongoing Flow: None Previous Rainfall (hrs): 48-72

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow entering channel from upstream.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20170725122118.JPG

2017

Inspection Date: **11/23/2015 10:56:00 AM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151123110108.JPG

2015

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N-10

Outagamie County

Priority Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Channel - Other

Material:
Channel - riprap

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211103102254.JPG

Outfall Notes:
Swale on west side of CTH N discharges to stream from north.

County Coordinates:		**Latitude/Longitude:**	
Northing:	577,040	Latitude:	44.30231
Easting:	851,947	Longitude:	-88.31304

Location Map



Inspection Date: **11/3/2021 10:23:38 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection.



oc20211103102306.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **10/18/2018 12:53:45 PM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow in swale at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20181018115348.JPG

2018

Inspection Date: **10/27/2015 1:16:58 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: **Unlikely** Inspector: BN

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151027132216.JPG

2015

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N-42

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Arch

Material:
CMP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in): 36
Width (in): 60

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211102090328.JPG

Outfall Notes:
Storm sewer from CTH N discharges to railroad culvert near road centerline. Screened where culvert discharges to railroad ditch.

County Coordinates:
Northing: 564,276
Easting: 849,116

Latitude/Longitude:
Latitude: 44.26731
Longitude: -88.32396

Location Map



Inspection Date: **11/2/2021 9:04:10 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, slight flow**
Submerged: Partially Depth (in): 11
Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from submerged flow from culvert.



oc20211102090346.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Slight	☐ Green	☑ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Sampling Results

Sample Location: Flow
Sample ID: 211102-09
Time Collected: 09:06

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.75	*units*
Temperature (field):	46	*° F*
Conductivity (field):	1918	*µS/cm*
Detergents:	0	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Minor Depth (in): 9
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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OO-04

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Water of the State

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



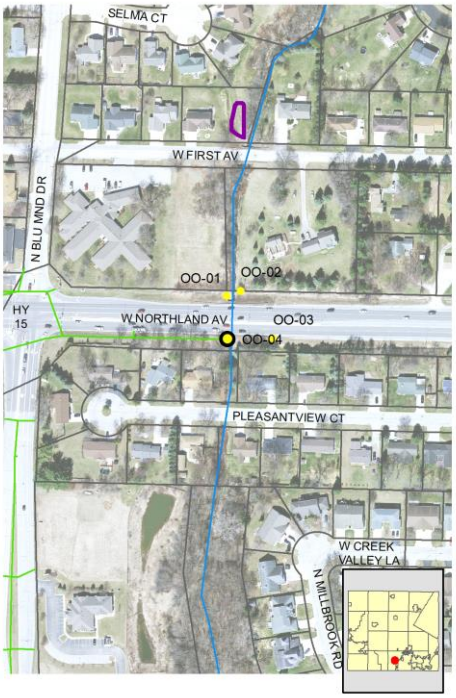
oc20211103082024.JPG

Outfall Notes:
Storm sewer on south side of CTH OO discharges to stream from west through wingwall.

County Coordinates:
Northing: 571,713
Easting: 814,834

Latitude/Longitude:
Latitude: 44.28784
Longitude: -88.45481

Location Map



Inspection Date: **11/3/2021 8:20:56 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Pipe dry at time of inspection. Minor concrete damage at end of pipe. Graffiti on opposite wingwall.



oc20211103082030.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	Slight	☐ Green	☑ Brown			
Stains:	Moderate	☑ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Physical Condition Assessment

Graffiti: Moderate
Erosion: None
Deposition: None Depth (in):
Damage: Minor

☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☑ Cracks/Structural Damage

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Inspection Date: 10/20/2020 10:55:53 AM | Type: Ongoing | Flow: None | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Unlikely | Inspector: JCW

Submerged: None | Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	Moderate
Non-illicit:	None

Notes

Pipe dry at time of inspection. Broken concrete under pipe. Scour hole at end of pipe. Graffiti on endwall.

Condition Assessment

Graffiti:	Minor	
Erosion:	Minor	
Deposition:	None	in.
Damage:	Minor	



oc20201020105404.JPG

2020

Inspection Date: 10/9/2019 6:52:00 PM | Type: Ongoing | Flow: Moderate | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential | Inspector: JCW

Submerged: None | Depth (in):

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	7.93	*units*
Temperature	74	*° F*
Conductivity:	3010	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

Concrete broken at end of pipe. Graffiti on opposite wall of box culvert. Elevated conductivity detected in sample from flow.

Condition Assessment

Graffiti:	Moderate	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	



oc20191009185257.JPG

2019

Inspection Date: 11/1/2018 8:50:36 AM | Type: Ongoing | Flow: Trickle | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential | Inspector: KMK

Submerged: None | Depth (in):

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	8.08	*units*
Temperature	51	*° F*
Conductivity:	2300	*µS/cm*
Detergents:	0.6	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	Slight
Non-illicit:	None

Notes

Concrete broken at end of pipe. Elevated conductivity and detergent detected in sample from flow.

Condition Assessment

Graffiti:	None	
Erosion:	Severe	
Deposition:	None	in.
Damage:	Minor	



oc20181101085302.JPG

2018

Inspection Date: 8/1/2017 12:42:57 PM | Type: Ongoing | Flow: Trickle | Previous Rainfall (hrs): 72+

Illicit Discharge Potential: Potential | Inspector: KMK

Submerged: None | Depth (in):

Sampling Results

Sample Location:	Flow	
Total Chlorine:	0	*ppm*
Free Chlorine:	0	*ppm*
Ammonia:	0	*ppm*
pH:	8.33	*units*
Temperature	75.7	*° F*
Conductivity:	3820	*µS/cm*
Detergents:	0	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	Slight
Non-illicit:	None

Notes

Photo not available. Elevated conductivity in sample from pipe.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	Minor	

Photo Not Available

2017

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Inspection Date: **10/22/2015 2:56:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: **Unlikely** Inspector: PC

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:
Erosion:
Deposition: in.
Damage:



oc20151022135640.JPG

2015

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OO-07

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Cattails

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211027121340.JPG

Outfall Notes:
Swale on south side of CTH OO discharges to stream from east.

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,617	Latitude:	44.28757
Easting:	817,356	Longitude:	-88.44518

Location Map



Inspection Date: **10/27/2021 12:11:53 PM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Trickle**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from flow in ditch, immediately upstream from junction with stream.



oc20211027121342.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Flow
Sample ID: 211027-66
Time Collected: 12:13

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.46	*units*
Temperature (field):	58	*° F*
Conductivity (field):	1893	*µS/cm*
Detergents:	0	*mg/L*

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Inspection Date: **7/31/2017 1:44:10 PM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow in swale at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20170731134338.JPG

2017

Inspection Date: **12/18/2015 2:25:00 PM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: AS

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151218142530.JPG

2015

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OO-24

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

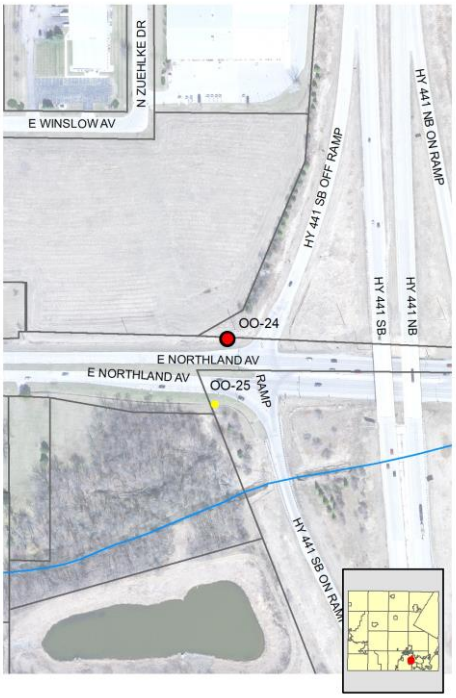


oc20211103090536.JPG

Outfall Notes:
Swale on north side of CTH OO discharges to STH 441 right-of-way.

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,615	Latitude:	44.28749
Easting:	840,289	Longitude:	-88.35761

Location Map



Inspection Date: **11/3/2021 9:06:11 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection. Channel erosion in ditch upstream of outfall.



oc20211103090546.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: Minor
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Inspection Date: **11/1/2018 9:16:58 AM** Type: Ongoing Flow: None Previous Rainfall (hrs): 72+

Illicit Discharge Potential: **Unlikely** Inspector: KMK

Submerged: None Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	None
Odor:	None
Turbidity:	None
Color:	None
Gross Solids:	None
Vegetation:	None
Benthic Growth:	None
Stains:	None
Non-illicit:	None

Notes

No flow in swale at time of inspection.

Condition Assessment

Graffiti:	None	
Erosion:	None	
Deposition:	None	in.
Damage:	None	



oc20181101091702.JPG

2018

Inspection Date: **12/10/2015 11:51:46 AM** Type: Initial Flow: Previous Rainfall (hrs):

Illicit Discharge Potential: Inspector: JCW

Submerged: Depth (in):

Sampling Results

Sample Location:		
Total Chlorine:	--	*ppm*
Free Chlorine:	--	*ppm*
Ammonia:	--	*ppm*
pH:	--	*units*
Temperature	--	*° F*
Conductivity:	--	*µS/cm*
Detergents:	--	*mg/L*

Floatables:	
Odor:	
Turbidity:	
Color:	
Gross Solids:	
Vegetation:	
Benthic Growth:	
Stains:	
Non-illicit:	

Notes

Initial outfall location. Formal IDDE screening not performed.

Condition Assessment

Graffiti:		
Erosion:		
Deposition:		in.
Damage:		



oc20151210115106.JPG

2015

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OO-45

Outagamie County

Priority Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211103091954.JPG

Outfall Notes:
Swale on north side of CTH OO discharges to stream from east.

County Coordinates:
Northing: 571,501
Easting: 845,974

Latitude/Longitude:
Latitude: 44.28715
Longitude: -88.33590

Location Map



Inspection Date: **11/3/2021 9:20:53 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection. Dense mowed vegetation hindered visual screening of channel.



oc20211103092004.JPG

Floatables: None ☐ Petrol. Sheen ☐ Suds ☐ Sewage ☐ Algae ☐ Other

Odor: None ☐ Petroleum ☐ Musty ☐ Sewage ☐ Chlorine ☐ Other
☐ VOC/Solvent ☐ Fishy ☐ Sulfur ☐ Fragrant

Turbidity: None

Color: None

Gross Solids: None ☐ Litter ☐ Veg. Debris ☐ Sediment ☐ Other

Vegetation: None ☐ Inhibited ☐ Excessive

Benthic Growth: None ☐ Green ☐ Brown

Stains: None ☐ Flow Line ☐ Oil ☐ Rust Stains
☐ Paint ☐ Other

Non-illicit: None ☐ Natural Sheen ☐ Natural Suds/Foam

2021

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

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OO-46

Outagamie County

Priority Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Cattails

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211103092042.JPG

Outfall Notes:
Swale on north side of CTH OO discharges to stream from west.

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,506	Latitude:	44.28716
Easting:	845,943	Longitude:	-88.33602

Location Map



Inspection Date: **11/3/2021 9:21:49 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sediment under cattails wet, but no collectable flow at time of inspection.



oc20211103092058.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	Slight	☑ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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OO-47

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in):	36
Height/Depth (in):	
Width (in):	

Mapping Precison:
Mapping GPS

☐ Not Physically Located

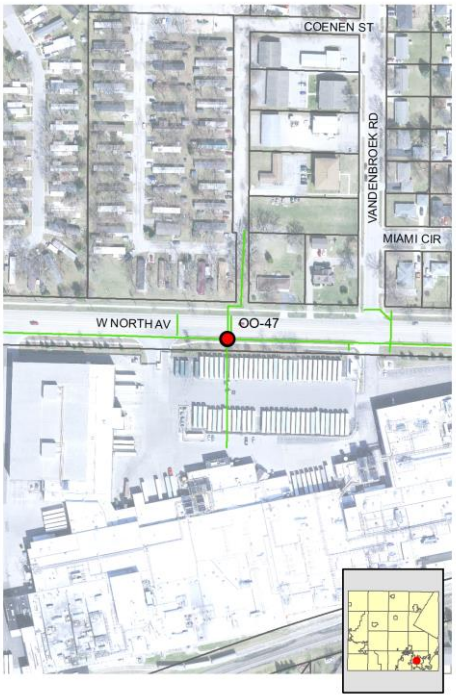


oc20211103093308.JPG

Outfall Notes:
CTH OO storm sewer leaves right-of-way and continues south. Outgoing pipe screened at manhole in terrace.

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,333	Latitude:	44.28667
Easting:	848,956	Longitude:	-88.32452

Location Map



Inspection Date: **11/3/2021 9:34:02 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, indeterminate**

Submerged: Partially Depth (in): 2

Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from submerged pool in manhole. Conductivity slightly elevated; no other parameters out of range.



oc20211103093316.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Sampling Results

Sample Location:	Pool	
Sample ID:	21113-94	
Time Collected:	09:34	
Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	6.86	*units*
Temperature (field):	45	*° F*
Conductivity (field):	2100	*µS/cm*
Detergents:	0	*mg/L*

Physical Condition Assessment

Graffiti:	None		
Erosion:	None		
Deposition:	None	Depth (in):	
Damage:	None	☐ Displacement ☐ Undercut ☐ Crushed	
		☐ Corrosion ☐ Cracks/Structural Damage	

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OO-50

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions

Diameter (in): 60

Height/Depth (in):

Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

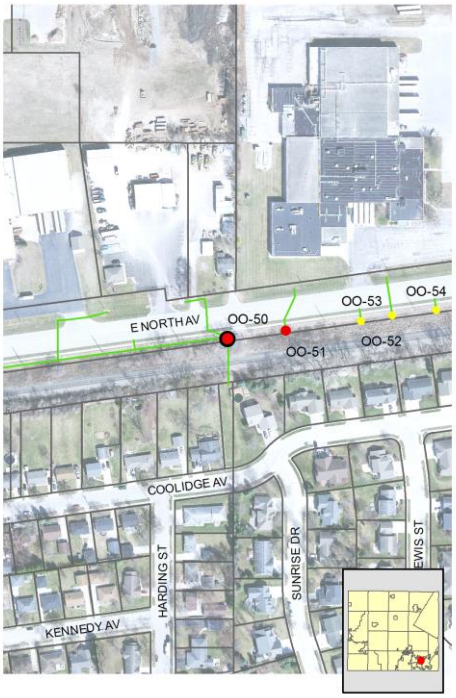


oc20211103095304.JPG

Outfall Notes:
Storm sewer from CTH OO leaves right-of-way and continues south in Little Chute storm sewer. Outgoing pipe screened at manhole.

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,672	Latitude:	44.28756
Easting:	855,900	Longitude:	-88.29799

Location Map



Inspection Date: **11/3/2021 9:53:13 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Moderate**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from flow in manhole.



oc20211103095318.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID: 21113-11
Time Collected: 09:55

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.12	*units*
Temperature (field):	43	*° F*
Conductivity (field):	1990	*µS/cm*
Detergents:	0	*mg/L*

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OO-51

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 12
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

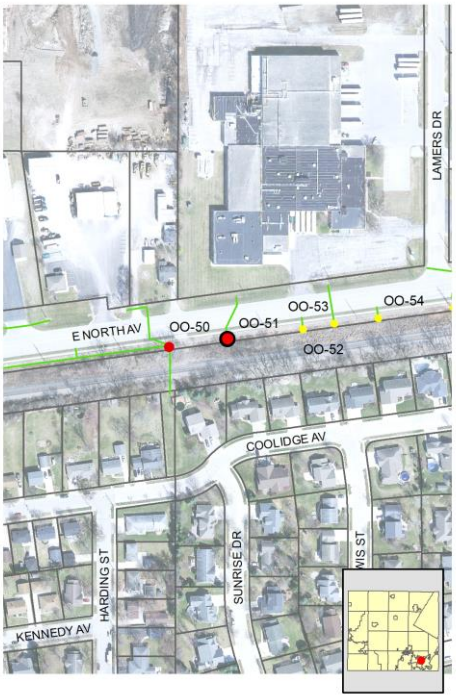


oc20211103095922.JPG

Outfall Notes:
Storm sewer from CTH OO discharges to swale on south side of road (Little Chute).

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,693	Latitude:	44.28761
Easting:	856,042	Longitude:	-88.29745

Location Map



Inspection Date: **11/3/2021 9:58:49 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, no flow**

Submerged: Partially Depth (in): 9

Illicit Discharge Potential: **Unlikely**

Notes: Upstream catchbasin dry at time of inspection - no sample collected from trapped pool.



oc20211103095936.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	Slight	☑ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	Moderate	☑ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Severe Depth (in): 4
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed ☐ Corrosion ☐ Cracks/Structural Damage

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OO-53

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Minor Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 24
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

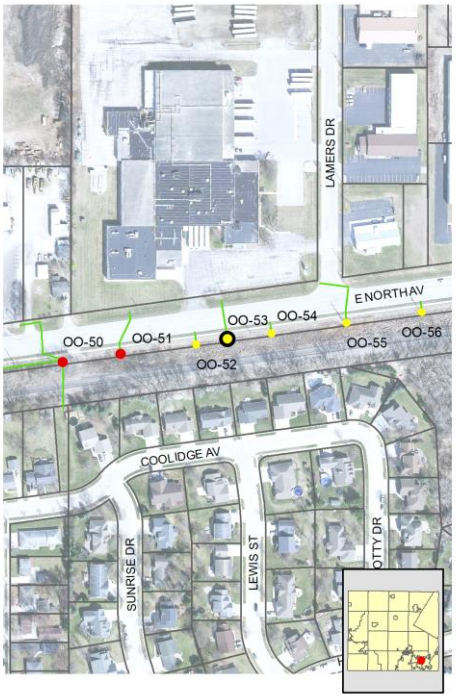


oc20211103100318.JPG

Outfall Notes:
Storm sewer from CTH OO discharges to swale on south side of road (Little Chute).

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,729	Latitude:	44.28771
Easting:	856,302	Longitude:	-88.29646

Location Map



Inspection Date: **11/3/2021 10:03:41 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sediment wet, but no collectable flow at time of inspection.



oc20211103100322.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Slight	☑ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	Slight	☑ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate Depth (in): 6
Damage: None ☐ Displacement ☐ Undercut ☐ Crushed ☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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OO-57

Outagamie County

Priority Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in): 18
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



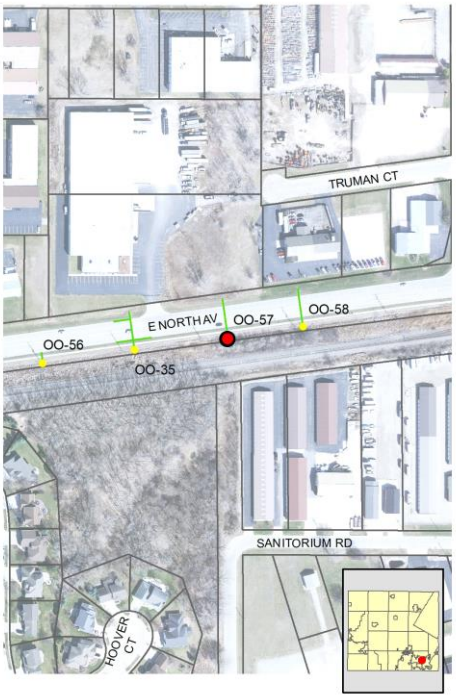
oc20211103100952.JPG

Outfall Notes:
Storm sewer from CTH OO discharges to swale on south side of road (Little Chute).

County Coordinates:
Northing: 571,855
Easting: 857,225

Latitude/Longitude:
Latitude: 44.28805
Longitude: -88.29293

Location Map



Inspection Date: **11/3/2021 10:09:46 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sediment wet, but no collectable flow at time of inspection.



oc20211103100956.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	Slight	☑ Litter	☑ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: Moderate Depth (in): 7
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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OO-60

Outagamie County

Non-Priority Major Outfall

Structure Type:
Open Channel Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Channel - Parabolic

Material:
Channel - grass/vegetation

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

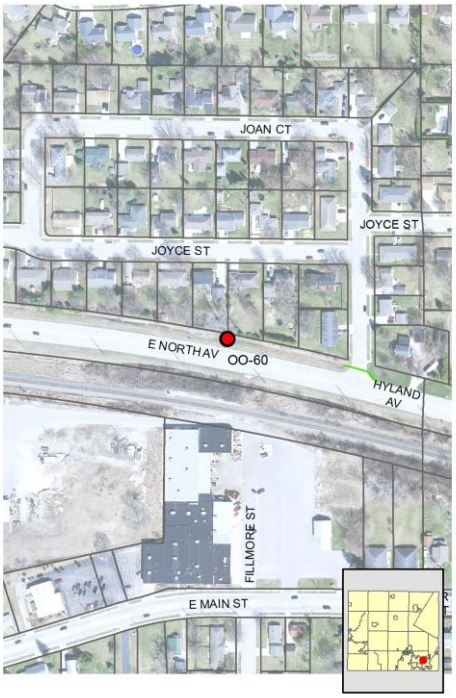


oc20211102114418.JPG

Outfall Notes:
Storm sewer from CTH OO (36" RCP) discharges to low point in swale on north side of the road. Ultimate discharge location unknown.

County Coordinates:		**Latitude/Longitude:**	
Northing:	571,963	Latitude:	44.28833
Easting:	859,400	Longitude:	-88.28463

Location Map



Inspection Date: **11/2/2021 11:44:40 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **None**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: No flow in swale at time of inspection. Downstream discharge location not located.



oc20211102114428.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant	
Turbidity:	None					
Color:	None					
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other	
Vegetation:	None	☐ Inhibited	☐ Excessive			
Benthic Growth:	None	☐ Green	☐ Brown			
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains		
		☐ Paint	☐ Other			
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam			

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

Checked by: JCW - 1/24/2022

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OO-62

Outagamie County

Non-Priority Major Outfall

Structure Type:
Inlet/Catchbasin

Discharge Location:
Water of the State

NR 216 Class:
Major Outfall

Shape:
Manhole/Catchbasin

Material:
Manhole - concrete

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located



oc20211102111448.JPG

Outfall Notes:
Storm sewer from CTH OO discharges to High St culvert from southeast. Screened at junction catchbasin (in terrace).

County Coordinates:		**Latitude/Longitude:**	
Northing:	572,353	Latitude:	44.28938
Easting:	862,310	Longitude:	-88.27351

Location Map



Inspection Date: **11/2/2021 11:15:38 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, indeterminate**
Submerged: Fully Depth (in): 19
Illicit Discharge Potential: **Unlikely**

Notes: Outfall partially submerged - screened upstream at OO-62 US1.



oc20211102111456.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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OO-62 US1

Outagamie County

Structure Type:
Inlet/Catchbasin

Discharge Location:
Downstream Outfall

NR 216 Class:
Major Outfall - Alternate Location

Shape:
Manhole/Catchbasin

Material:
Manhole - concrete

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

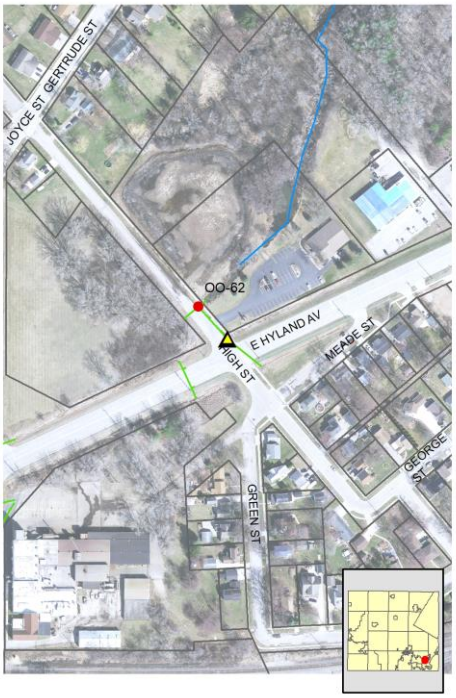


oc20211102111708.JPG

Outfall Notes:
Upstream curb inlet located approx 106 ft SE of outfall OO-62. Intermediate area consists of street right-of-way.

County Coordinates:		**Latitude/Longitude:**	
Northing:	572,274	Latitude:	44.28916
Easting:	862,380	Longitude:	-88.27325

Location Map



Inspection Date: **11/2/2021 11:18:23 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Submerged, indeterminate**
Submerged: Partially Depth (in): 12
Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from submerged pool in manhole.



oc20211102111716.JPG

Floatables:	Slight	☑ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Sampling Results

Sample Location:	Pool	
Sample ID:	211102-59	
Time Collected:	11:18	
Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.53	*units*
Temperature (field):	51	*° F*
Conductivity (field):	1649	*µS/cm*
Detergents:	0	*mg/L*

Physical Condition Assessment

Graffiti:	None				
Erosion:	None				
Deposition:	None	Depth (in):			
Damage:	None	☐ Displacement	☐ Undercut	☐ Crushed	
		☐ Corrosion	☐ Cracks/Structural Damage		

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OO-63

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

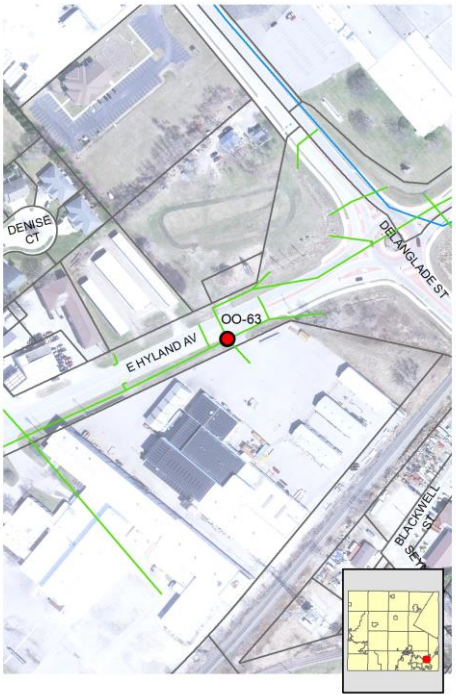


oc20211102110300.JPG

Outfall Notes:
Storm sewer from CTH OO continues south (Kaukauna). Outgoing pipe screened in manhole. Pipe size not recorded.

County Coordinates:		**Latitude/Longitude:**	
Northing:	573,152	Latitude:	44.29155
Easting:	864,421	Longitude:	-88.26544

Location Map



Inspection Date: **11/2/2021 11:05:13 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Trickle**
Submerged: None Depth (in):
Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from trickle flow exiting manhole.



oc20211102110306.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Flow
Sample ID: 211102-15
Time Collected: 11:05

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	8.18	*units*
Temperature (field):	49	*° F*
Conductivity (field):	1426	*µS/cm*
Detergents:	0	*mg/L*

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OO-64

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

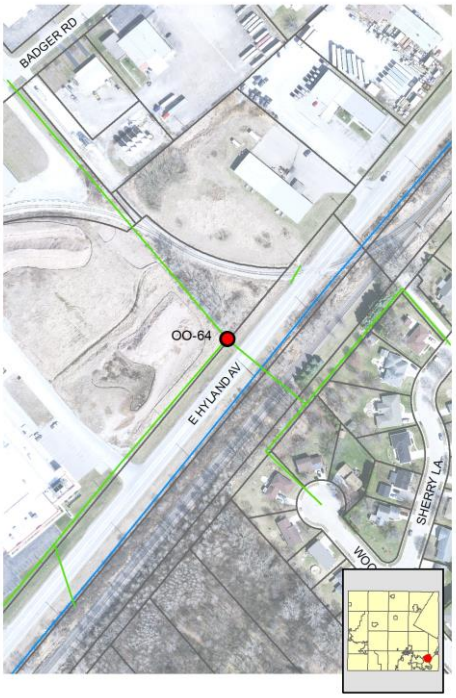


oc20211102104436.JPG

Outfall Notes:
Storm sewer from CTH OO leaves right-of-way and continues north (Kaukauna). Outgoing pipe screened at vault. Pipe size not recorded.

County Coordinates:		**Latitude/Longitude:**	
Northing:	574,994	Latitude:	44.29659
Easting:	866,336	Longitude:	-88.25811

Location Map



Inspection Date: **11/2/2021 10:45:34 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Moderate**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Vault grate could not be removed. No upstream locations identified. Limited screening conducted, and no sample collected.



oc20211102104452.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location:
Sample ID:
Time Collected:

Total Chlorine (field):	--	*ppm*
Free Chlorine (field):	--	*ppm*
Ammonia (field):	--	*ppm*
pH (field):	--	*units*
Temperature (field):	--	*° F*
Conductivity (field):	--	*µS/cm*
Detergents:	--	*mg/L*

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Z-34

Outagamie County

Non-Priority Major Outfall

Structure Type:
Closed Pipe Outfall

Discharge Location:
Adjacent Municipality

NR 216 Class:
Major Outfall

Shape:
Pipe - Circular

Material:
RCP

City ID:
N/A

Dimensions
Diameter (in):
Height/Depth (in):
Width (in):

Mapping Precison:
Mapping GPS

☐ Not Physically Located

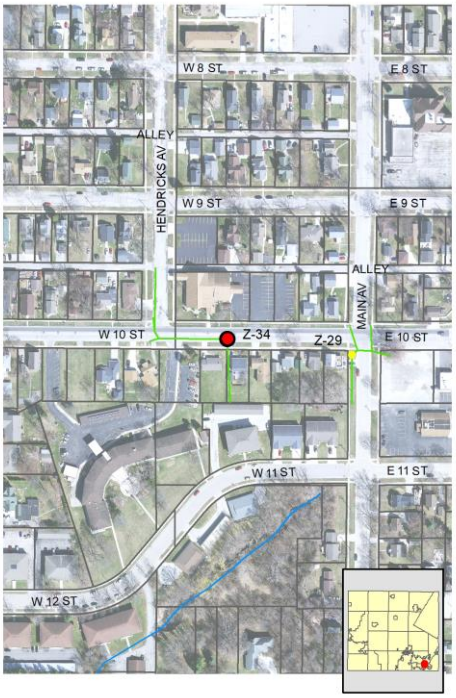


oc20211102100724.JPG

Outfall Notes:
Storm sewer from CTH Z leaves right-of-way and continues south (Kaukauna storm sewer). Outgoing pipe screened at manhole in CTH Z.

County Coordinates:		**Latitude/Longitude:**	
Northing:	565,981	Latitude:	44.27190
Easting:	861,614	Longitude:	-88.27624

Location Map



Inspection Date: **11/2/2021 10:07:30 AM** Inspector: JCW Inspection Type: Ongoing Previous Rainfall (hrs): 72+

Flow Description: **Moderate**

Submerged: None Depth (in):

Illicit Discharge Potential: **Unlikely**

Notes: Sample collected from flow in manhole.



oc20211102100752.JPG

Floatables:	None	☐ Petrol. Sheen	☐ Suds	☐ Sewage	☐ Algae	☐ Other	
Odor:	None	☐ Petroleum	☐ Musty	☐ Sewage	☐ Chlorine	☐ Other	
		☐ VOC/Solvent	☐ Fishy	☐ Sulfur	☐ Fragrant		
Turbidity:	None						
Color:	None						
Gross Solids:	None	☐ Litter	☐ Veg. Debris	☐ Sediment	☐ Other		
Vegetation:	None	☐ Inhibited	☐ Excessive				
Benthic Growth:	None	☐ Green	☐ Brown				
Stains:	None	☐ Flow Line	☐ Oil	☐ Rust Stains			
		☐ Paint	☐ Other				
Non-illicit:	None	☐ Natural Sheen	☐ Natural Suds/Foam				

2021

Physical Condition Assessment

Graffiti: None
Erosion: None
Deposition: None Depth (in):
Damage: None
☐ Displacement ☐ Undercut ☐ Crushed
☐ Corrosion ☐ Cracks/Structural Damage

Sampling Results

Sample Location: Flow
Sample ID: 211102-55
Time Collected: 10:08

Total Chlorine (field):	0	*ppm*
Free Chlorine (field):	0	*ppm*
Ammonia (field):	0	*ppm*
pH (field):	7.88	*units*
Temperature (field):	48	*° F*
Conductivity (field):	1592	*µS/cm*
Detergents:	0	*mg/L*

Checked by: JCW - 1/24/2022

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Appendix C
Outfall Condition Summary

C-1 Outfalls with Damage
C-2 Outfalls with Deposition
C-3 Outfalls with Erosion
C-4 Outfalls with Graffiti

OUTFALL CONDITION ASSESSMENTS

While not required for the illicit discharge field screening, Westwood inspectors noted the presence of any visual structural damage, significant deposition or erosion, or graffiti at the outfalls. This information can be passed along to the appropriate personnel for any necessary action.

Damage

Ten outfalls showed signs of damage that may require attention in the future. Commonly observed damage included pipe joint displacement, corrosion on metal pipes, and damaged endwalls.

The outfall damage that was observed during the ongoing screening program is summarized in Table 1.

Table 1 – Outfalls with damage

Outfall	Severity	Description
A-16	Minor	Apron displaced 2” from pipe
CE-52	Minor	Surface corrosion on corrugated metal pipe
CE-53	Moderate	Pipe undercut 18”
HH-06	Minor	Apron undercut 3”
KK-31	Minor	Surface corrosion on corrugated metal pipe
N-34	Minor	Pipe undercut 14”
N-44	Minor	Concrete damage on apron
N-45	Minor	Pipe undercut 5”
OO-04	Minor	Concrete damage on wingwall under pipe
Z-28	Moderate	Surface corrosion on corrugate metal pipe, pipe undercut 19”

The outfall damage is shown in the photos that follow. The locations of the damaged outfalls are shown on the map in Appendix C.



Figure 1 – Outfall A-16



Figure 2 – Outfall CE-52



Figure 3 – Outfall CE-53



Figure 4 – Outfall HH-06



Figure 5 – Outfall KK-31



Figure 6 – Outfall N-34



Figure 7 – Outfall N-44



Figure 8 – Outfall N-45



Figure 9 – Outfall OO-04 US1



Figure 10 – Outfall Z-28

Deposition

Five outfalls showed minor, moderate, or severe deposition at the end of the outfall pipe or channel, or inside the upstream screening location. As deposition increases, flow may become restricted in the pipe or downstream channel. Outfalls with moderate or severe deposition may need to undergo maintenance to remove the deposited sediment and debris and maintain proper flow.

The outfall deposition that was observed during the ongoing screening program is summarized in Table 2.

Table 2 – Outfalls with deposition

Outfall	Severity	Description
CE-45	Minor	3” sediment inside pipe
N-39	Minor	1” sediment/stones on manhole flowline
OO-51	Severe	4” sediment inside pipe, brush/soil berm immediately downstream
OO-53	Moderate	8” sediment with cattails inside pipe and on apron
OO-57	Moderate	7” sediment inside pipe and on apron

The outfall deposition is shown in the photos that follow. The locations of the outfalls with deposition are shown on the map in Appendix C.



Figure 11 – Outfall CE-45



Figure 12 – Manhole N-39



Figure 13 – Outfall OO-51



Figure 14 – Outfall OO-53



Figure 15 – Outfall OO-57

Erosion

Nine of the outfalls showed signs of erosion at the end of the outfall pipe or channel. Most outfalls with minor erosion could be repaired with minor landscaping repairs. Those outfalls with moderate or severe erosion may need additional structural reinforcement, such as turf reinforcement mat or riprap.

The erosion that was observed during the ongoing screening program is summarized in Table 3.

Table 3 – Outfalls with erosion

Outfall	Severity	Description
CE-52	Moderate	Channel erosion downstream of outfall
CE-53	Severe	Channel erosion between pipe and stream
CE-54	Minor	Channel erosion between pipes and stream
HH-05	Minor	Scour hole immediately downstream from apron
N-34	Moderate	Scour hole at end of pipe
N-44	Moderate	Erosion next to riprap downstream of pipe
N-45	Minor	Scour hole at end of pipe
OO-04	Minor	Scour hole next to wingwall below pipe
Z-28	Moderate	Scour hole at end of pipe

The outfall erosion is shown in the photo that follows. The location of the outfall with erosion is shown on the map in Appendix C.



Figure 16 – Erosion downstream of outfall CE-52



Figure 17 – Erosion downstream of outfall CE-53



Figure 18 – Erosion downstream of outfall CE-54



Figure 19 – Scour hole at outfall HH-05



Figure 20 – Scour hole at outfall N-34



Figure 21 – Erosion at outfall N-44



Figure 22 – Scour hole at outfall N-45



Figure 23 – Scour hole at outfall OO-04



Figure 24 – Scour hole at outfall Z-28

Graffiti

Graffiti was observed on or around one outfall. The graffiti was not severe but should probably be monitored to make sure that it does not become more severe.

The graffiti that was observed during the ongoing screening program is summarized in Table 4.

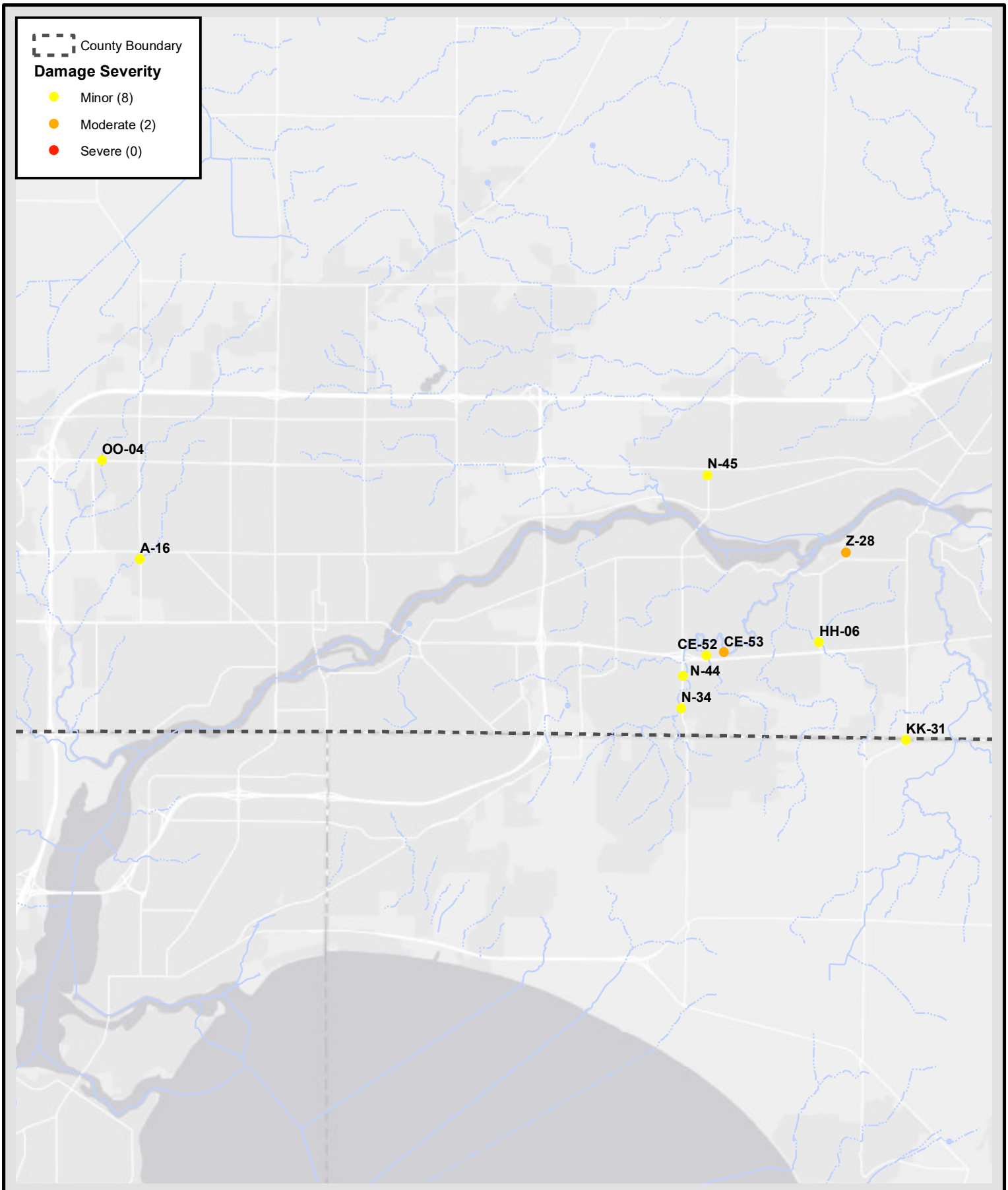
Table 4 – Outfalls with graffiti

Outfall	Severity	Description
OO-04	Severe	Graffiti on bridge wingwall across from outfall.

The graffiti is shown in the photos that follow. The locations of the outfalls with graffiti are shown on the map in Appendix C.



Figure 25 – Wingwall opposite outfall OO-04



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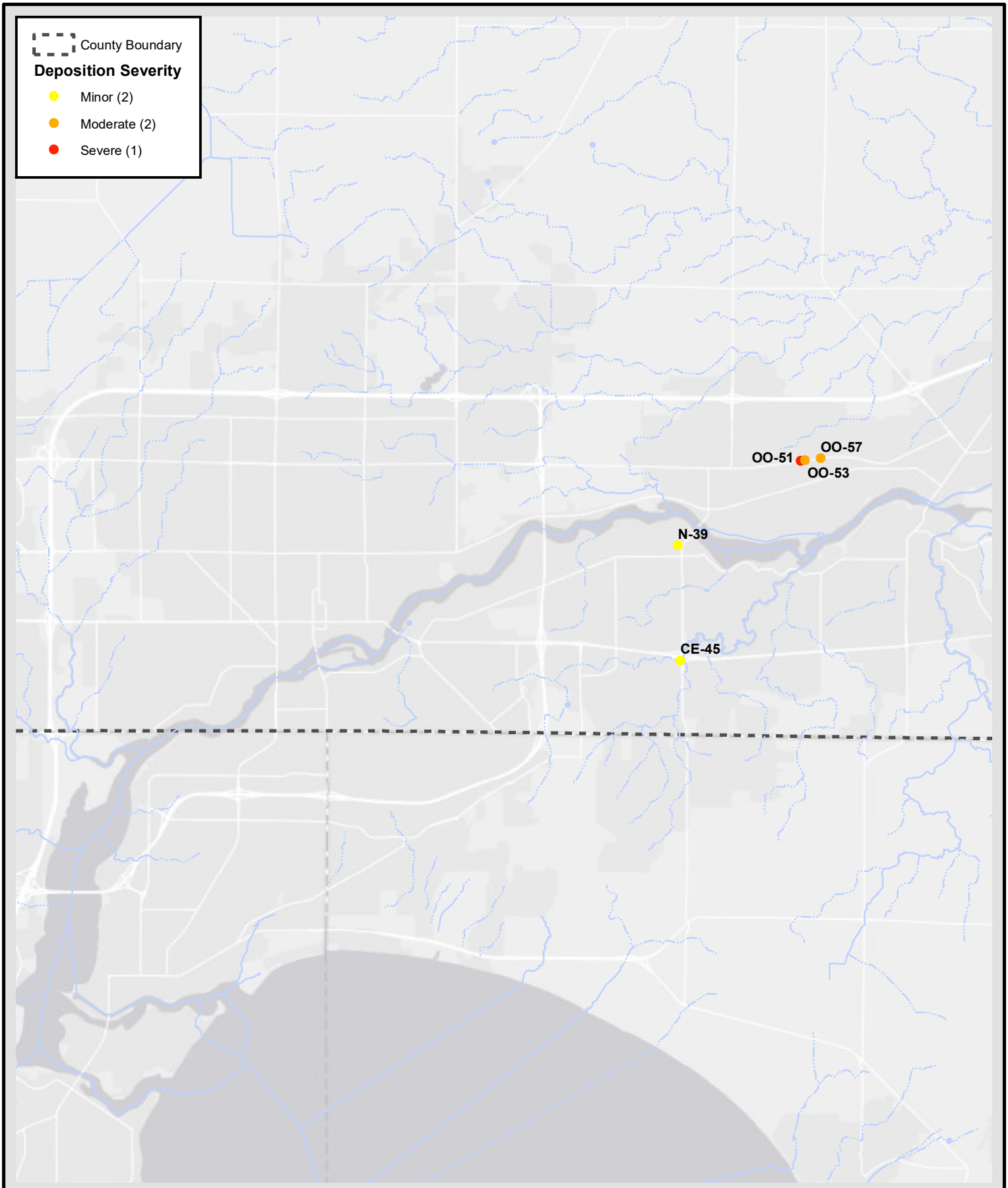
2023 ONGOING SCREENING PROGRAM

OUTFALLS WITH DAMAGE

OUTAGAMIE COUNTY, WISCONSIN

Project Manager:	SCALE: 1 " = 10,417 '
Project Engineer:	
Drawn By: JCW	PROJECT NO. R3001728.01
Checked By:	
Date: 1/25/2024	FIGURE NO. C-1

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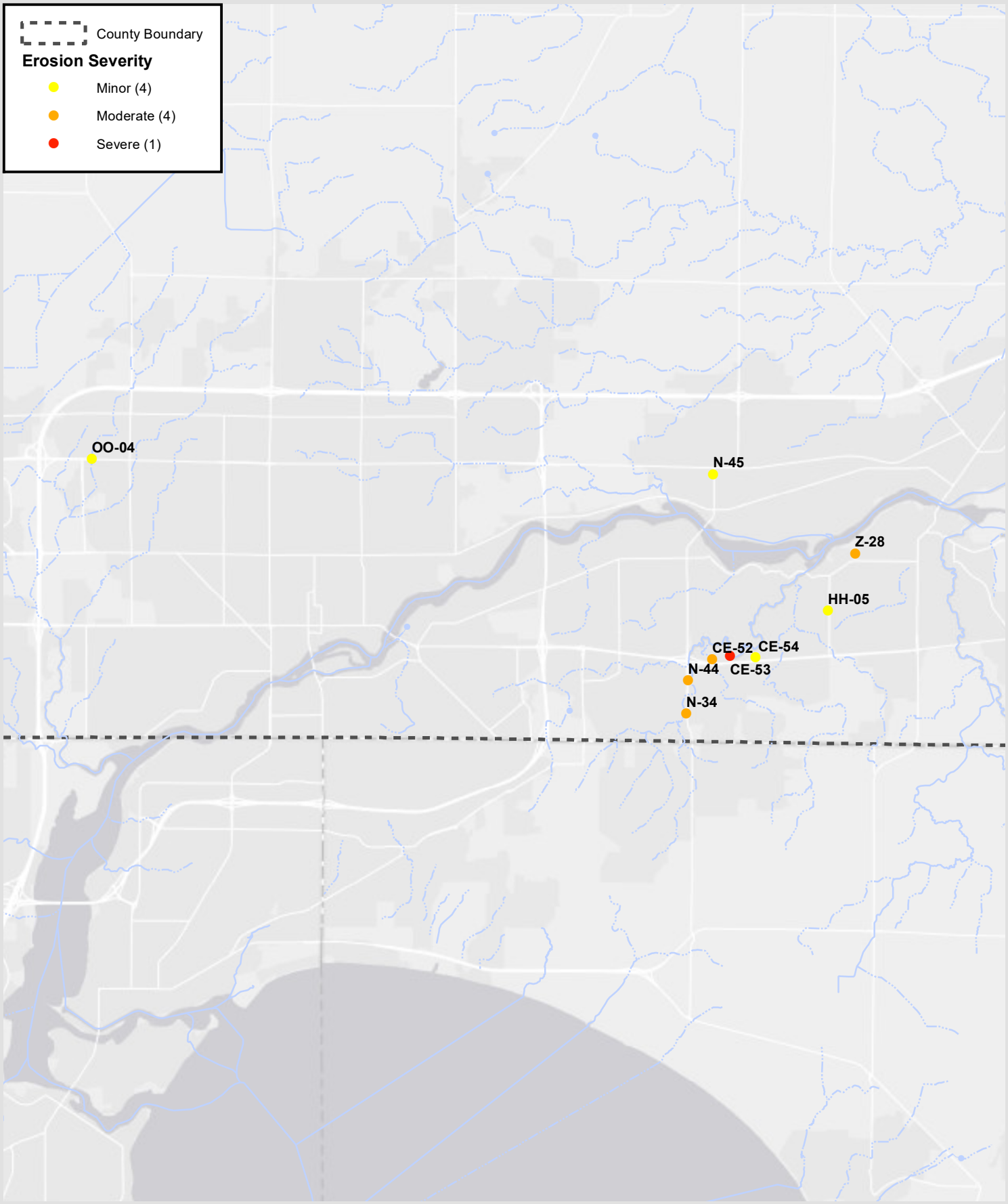
2023 ONGOING SCREENING PROGRAM

OUTFALLS WITH DEPOSITION

OUTAGAMIE COUNTY, WISCONSIN

Project Manager:	SCALE: 1 " = 10,417 '
Project Engineer:	
Drawn By: JCW	PROJECT NO. R3001728.01
Checked By:	
Date: 1/25/2024	FIGURE NO. C-2

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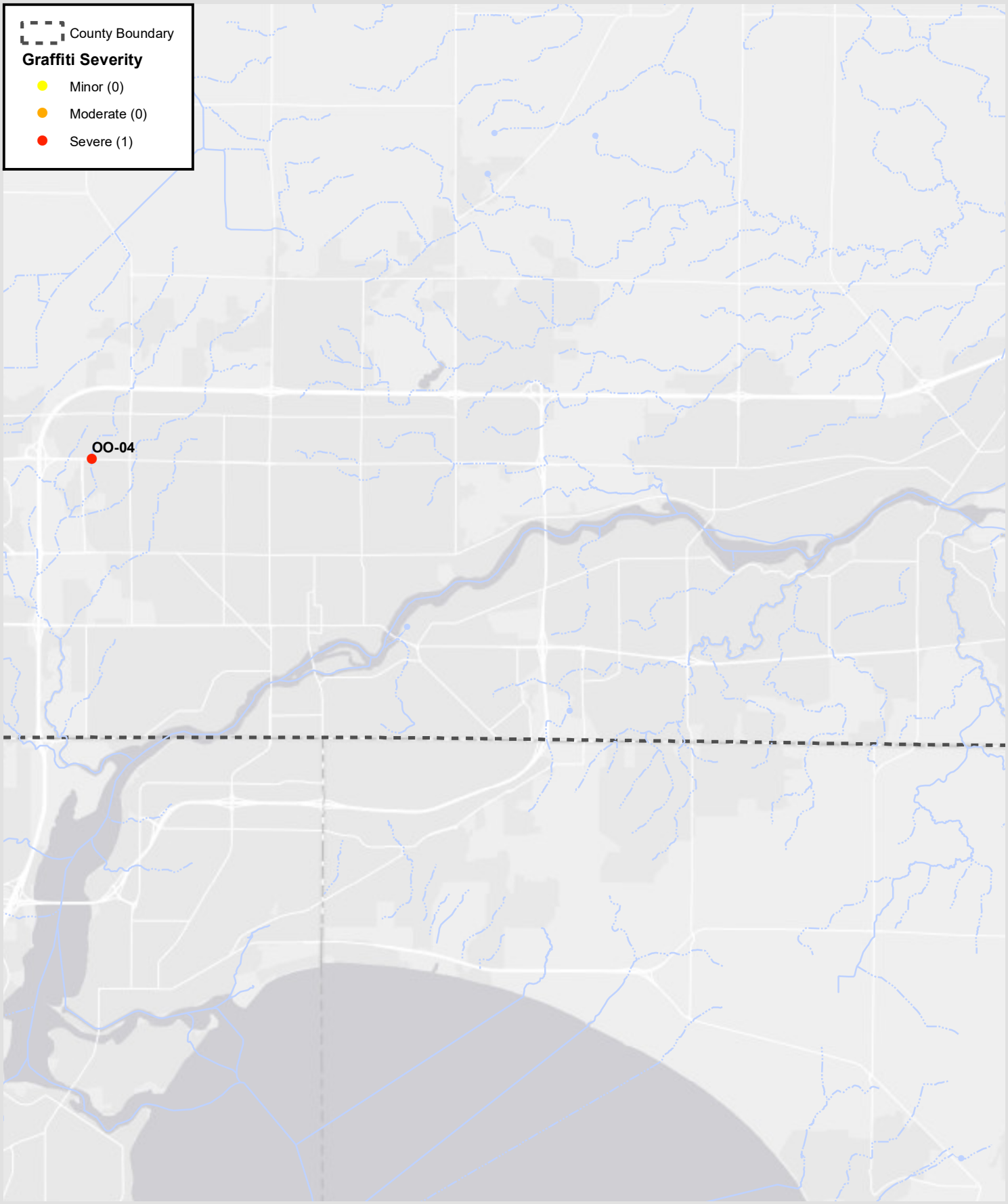
2023 ONGOING SCREENING PROGRAM

OUTFALLS WITH EROSION

OUTAGAMIE COUNTY, WISCONSIN

Project Manager:	SCALE: 1 " = 10,417 '
Project Engineer:	
Drawn By: JCW	PROJECT NO. R3001728.01
Checked By:	
Date: 1/25/2024	FIGURE NO. C-3

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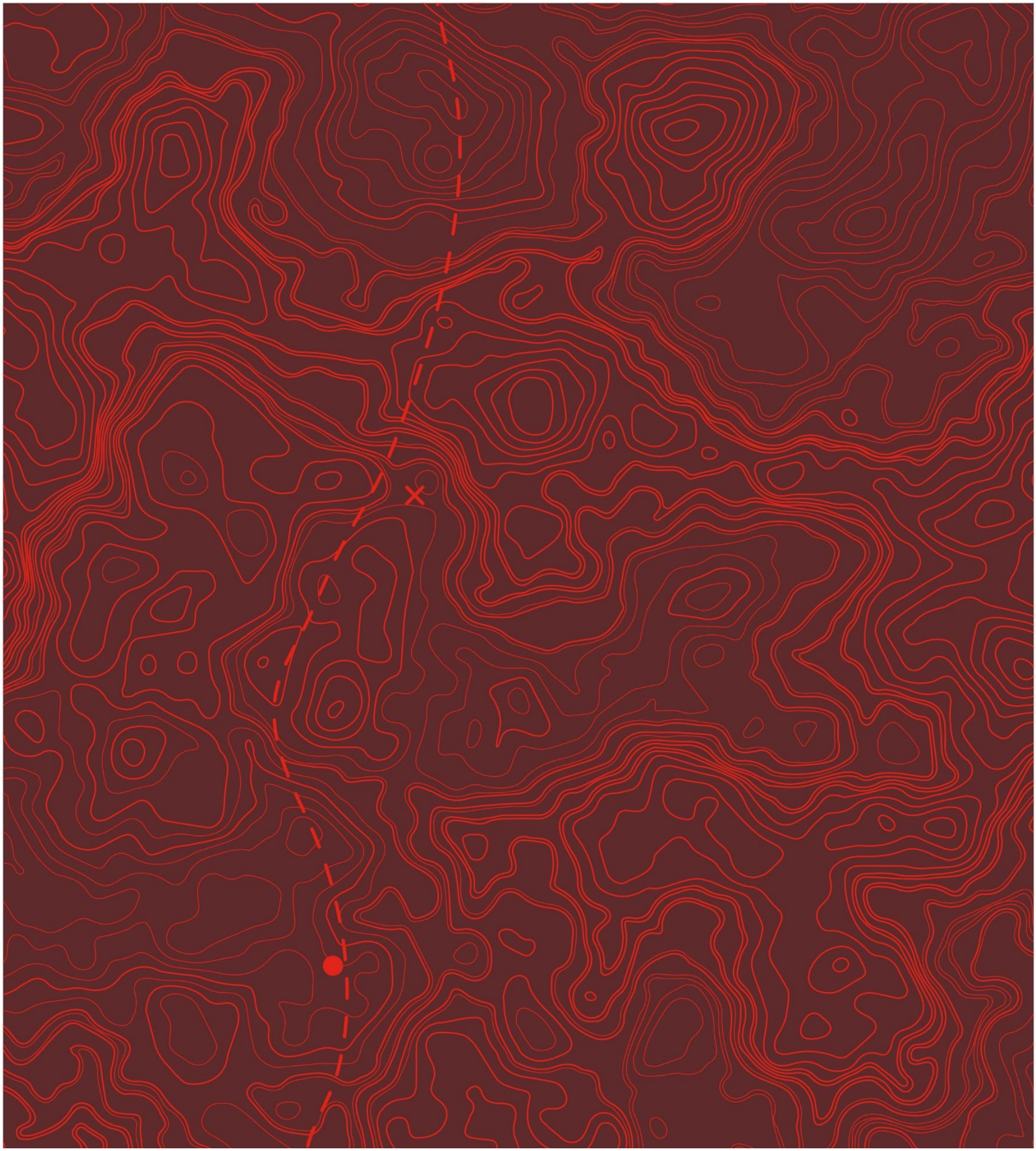
2023 ONGOING SCREENING PROGRAM

OUTFALLS WITH GRAFFITI

OUTAGAMIE COUNTY, WISCONSIN

Project Manager:	SCALE: 1 " = 10,417 '
Project Engineer:	
Drawn By: JCW	PROJECT NO. **R3001728.01**
Checked By:	
Date: 1/25/2024	FIGURE NO. **C-4**

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Title	Description	Publish time	Permalink	Is crosspost	Is share	Post type	Date	Impressions	Reach	Reactions, Comments and Shares	Reactions	Comments	Shares	Total clicks	Link Clicks	Matched Audience Targeting Consumption (Photo	Other Clicks	
	Today is World Water Day! This year we focus on accelerating the change to solve the water and sanitation crisis. Here are some easy ways to be a part of the solution: ●Shop sustainably. A typical pair of jeans takes 10,000 litres of water to produce, equal to what a person drinks in 10 years. ●Flush safe. Fix leaking water and waste pipes, empty full septic tanks and report dumping of sludge ●Protect nature. Plant a tree or create a raingarden – use natural solutions to reduce the risk of flooding and store water ●Take part in clean-ups of your local rivers, lakes, wetlands or beaches.	3/22/2023 10:03	https://www.facebook.com/permalink.php?story_fbid=pfbid02qV9CtXKWKfeFBPBHUtcJxeT1PAVMPBVVAN7JKfVWgELb3SczCJfxBAChz842WkSqw2Fl&id=100064522429111	0	0	Photo	Lifetime	133	104	4	3	0	1	0			
WI Land+Water Youth Education Silent Auction	The WI Land+Water Youth Education Committee is holding a silent auction to benefit youth education programming in Outagamie County and across WI. Check out the assortment of unique land yummi items us for bids this year!	2/28/2023 6:02	https://www.facebook.com/permalink.php?story_fbid=pfbid02sbNXEuJ3ScnQfxBACh2842WkSqw2Fl&id=100064522429111	0	0	Link	Lifetime	127	111	3	2	0	1	15			7	8
	We are rebuilding our 12 row interseeder toolbar this winter!! Interseeding allows for diverse cover crops to be established in corn early in the growing season so they have a jump start once the corn crop is harvested. The new toolbar will be built heavier, allow for weight transfer to the wings for better seed to soil contact, and provide a scale for more accurate seeding. We expect the rebuild to be completed in early April. If your interested in usina the interseeder please contact Andy at 920-574-7539.	2/23/2023 14:02	https://www.facebook.com/permalink.php?story_fbid=pfbid0Ax7bgKUtm1YDyQgcScLUESHoFaXKkbvoNPPvzBFBfVPEjHaNm4qr4B1YqHttnuJGl&id=100064522429111	0	0	Photo	Lifetime	305	269	10	10	0	0	14	13		1	
Envirothon Raeistration		2/23/2023 8:02	https://www.facebook.com/permalink.php?story_fbid=pfbid023TBDiVkFB2TwBPh7tCMNAhSAdv39pfucC2q3L5jNKXAQaA-4Uf4tip4ByzTH5dBl&id=100064522429111	0	0	Link	Lifetime	92	78	0	0	0	0	3			3	
	Riparian agroforestry adds fruit or nut trees near water sources to improve water quality, provide wildlife and pollinator habitat, and increase revenue sources. We are selling tree and shrub seedlings to help you get started! Check out the trees & shrubs we have available for purchase here-> https://outagamie-county.square.site/ Image courtesy of U.S. Department of Agriculture NAC.	2/6/2023 12:02	https://www.facebook.com/permalink.php?story_fbid=pfbid0da4jc4SefQgFuvdEbuMc9cTuN83bFm4KG1Xk4pxqxSdxJKE7CMCL2Ubzu2S2SI&id=100064522429111	0	0	Photo	Lifetime	120	103	10	7	1	2	3	1	1	1	
	Check out our YouTube Channel to see conservation equipment in action! https://www.youtube.com/channel/UCYmLkTiYTQJ5sQ7KhDd1qJw	1/26/2023 8:01	https://www.facebook.com/permalink.php?story_fbid=pfbid02wSgmiZVFK1BdHNV2hQdMMzT2Qpdcp8R1KBVQzkDCGK17W9TGX6NAzGbnT3KMsVnl&id=100064522429111	0	0	Photo	Lifetime	178	157	6	6	0	0	12	1		11	
	Students in 6-8th grades can enter to win $600 in the Central States Water Environment Association essay contest! Essays must be submitted by April 15, 2023. Find out more at https://cswea.org/	1/25/2023 13:01	https://www.facebook.com/permalink.php?story_fbid=pfbid02VPmJcejHKgBXrBEPXhv6ZEUhkb7pPCPrB24MTjavEUh4a1TzYbyGY2Qnsx M4tDI&id=100064522429111	0	0	Photo	Lifetime	313	281	5	4	0	1	5			2	3
	This week is Wisconsin Salt Awareness Week! Did you know that the salt you put in your water softener ends up in local freshwater streams?! There are new, efficient softeners that use less than one bag per month. If you are using more, consider having a profesional tune yours up or replace it with a hiah-efficiency model. #WiSaltWise	1/24/2023 8:01	https://www.facebook.com/permalink.php?story_fbid=pfbid02vDbDWd5twraE8k21KQHBGnwka5ofpxjwzpeFmUJMjLAJDd3iPSrCH9fEnFnNX&id=100064522429111	0	0	Photo	Lifetime	371	341	3	1	0	2	5	1	4		
	Congratulations Elianah Weber! Her poster was awarded 2nd Place at the Wisconsin Land+Water Conservation Association Lake Winnebago Area Contest! She did an excellent job representing Little Chute Area School District and promoting this year's theme - One Water! ●	1/24/2023 6:01	https://www.facebook.com/permalink.php?story_fbid=pfbid02yBRoAwyYCvEpLzHa6T8rgEMWkW1K6EkfWeiq54b26FWdf9BBUjkbDPWGaxRDpcl&id=100064522429111	0	0	Photo	Lifetime	571	504	88	77	10	1	53	15	38		
Lower Fox Farmer Roundtable **RESCHEDULED**		1/12/2023 5:01	https://www.facebook.com/permalink.php?story_fbid=pfbid0dquDQ5FkL5SNRRjCecTTH2jMqUdeSKH1uHkPn8cBZ8VKdGb2SUk8qA5yiADzWNGF8&id=100064522429111	0	0	Link	Lifetime	115	92	3	3	0	0	3			3	
	Wisconsin Women in Conservation announced their schedule of May gatherings! All women farmers, landowners and conservationists are welcome, as are women who are contemplating a purchase of property. WiWiC is working to build regional networks of women interested in land stewardship, and the majority of each event will be dedicated to a peer-to-peer networking time. Registration is FREE at WiWiC.org under Events. "Digging into Soil" is the theme! See a demonstration on soil texture: what it is, why it matters, and how you can work with it. Snacks will be served. Upcoming "Digging Into Soil" Learning Circle: North East Reeion. May 19. 1-4nm Mosquito Hill Nature Center. New London	5/2/2023 6:05	https://www.facebook.com/permalink.php?story_fbid=pfbid0uxxUFTHEBu57H7r4e8xoSpxWwfSK57KuU6SXKdSSyhTVhQDGsbSiiKtxwBsABpWvw&id=100064522429111	0	0	Photo	Lifetime	128	114	2	2	0	0	1			1	
	Are you looking to learn about natural forest management? Check out this demo forest event sponsored by Golden Sands Resource Conservation & Development Council, Inc.	5/10/2023 7:05	https://www.facebook.com/permalink.php?story_fbid=pfbid08i7PmLn3EMa625c19BJ7KRN82a1TKYBaUsruuX8BJMVsWSejF2myzuRjUud2AD2rh&id=100064522429111	0	0	Photo	Lifetime	185	116	3	2	0	1	3		1	2	
Traffic Safety in Our Community - Comprehensive Safety Action Plan		5/18/2023 7:05	https://www.facebook.com/permalink.php?story_fbid=pfbid0DjkTGS6TDPkMogrqgDgQS1CuGoxJhKzyCTY3FuEWWLgaJtSDbg12TqqBFWPD5fKjMsi&id=100064522429111	0	0	Link	Lifetime	58	47	0	0	0	0	0				
	The Badger Crop Connect team will be hosting a special webinar focused on the current flash drought taking place across most of the state of WI. A series of topics will be discussed in a quick-paced format to connect growers with resources to assist decision-making. The topics will include the impact of weather on historic crop yield potential, seasonal weather patterns, critical grain development stages, soil fertility decisions in dry conditions, alternative forage options, soil moisture management, federal crop insurance risk management, and FSA program assistance. To register for this Zoom webinar click the link below. https://eventactions.com/earg.aspx?ea=Rsvp&invite=0k002grffm0krcdab1r0e3hngxp0uns2g2s7a1x7ec4ugIzxBz	6/6/2023 11:06	https://www.facebook.com/permalink.php?story_fbid=pfbid0ahtbuzBhb1aJ4DFd6SCxSSVEwwzfhvDvjaVQswdhBaYHMK797edCvgjJNZVGrPjrl&id=100064522429111	0	0	Photo	Lifetime	83	70	1	1	0	0	1	1			
	Join the Pollinator Picnic on Thursday, August 3rd! A pollinator picnic is an educational evening for families to learn about pollinators, partake in hands-on activities, and enjoy a picnic on the farm. Arrive by 4 pm to participate in all activities, as families will rotate every 20 minutes to a new activity station. We'll aim to wrap up the stations by 6:15 pm, then a picnic supper will be provided until 7 pm. This event is FREE, but registration is required so we can plan to have enough activity supplies and food. Register here: Go.Wisc.edu/Pollinators The event will be at our demonstration farm; Dan and Ruth Boerst's Dairy-licious Farms in Manawa. Thank you to our event partners; Upper Fox-Wolf Demonstration Farm Network, Dairy-licious Farms (Dan and Ruth Boerst), University of Wisconsin - Madison, Division of Extension, Natural Resources Conservation Service (NRCS), Sand County Foundation, Wild Ones - Fox Valley Chapter & Amanda Zehren.	6/28/2023 7:06	https://www.facebook.com/permalink.php?story_fbid=pfbid0NKaBqJfCqxZAk632qqy91afxKfXBYzrvZVW7Kc5juw43yTWbVYWevp1reWHLbNxJl&id=100064522429111	0	0	Photo	Lifetime	170	149	4	3	0	1	5	1	2	2	
	If you haven't registered for the Pollinator Picnic, please do so! This family-friendly event offers several stations for kids to explore from Digging into a Soil Pit to Creating Pollinator Art. Activities wrap up at 6:15 p.m. and are followed by a picnic supper. This event is FREE, but registration is required. Register here: Go.Wisc.edu/Pollinators Registration closes on Thursday, July 27th. The event will be at our demonstration farm; Dan and Ruth Boerst's Dairy-licious Farms in Manawa.	7/21/2023 10:07	https://www.facebook.com/permalink.php?story_fbid=pfbid0fPbAT3RPkSmvgubbAJbtp2SvjWBphvkanM2CSzuVLLTWvmwGeaSGbPRRCanFQ&id=100064522429111	0	0	Photo	Lifetime	580	498	20	13	1	6	6	1		5	
	Are you interested in learning more about grazing and sustainable agriculture? Find out more at the Golden Sands Resource Conservation & Development Council, Inc. 2023 Grazing Event.	7/24/2023 12:07	https://www.facebook.com/permalink.php?story_fbid=pfbid0wK3SPbZBm13NUhqA7z9mbiC3zFww5Py699EdRKr8bLQMa2n2oLRSK8hLBNxcMU9tl&id=100064522429111	0	0	Photo	Lifetime	148	133	3	3	0	0	6	3		3	
	Outagamie County Land Conservation Department is teaming up with Fox-Wolf Watershed Alliance to host a Field Day event at the Soil Health Education & Demo (SHED) Facility in the Town of Oneida. Farmers are invited to come out and learn about the equipment they can use to improve the soil health of their farms. #soilhealth	8/10/2023 11:08	https://www.facebook.com/permalink.php?story_fbid=pfbid02zUBofFM5Cq2bUVjWxhrXGznEwE8Rbsdq1a6MfbS77GkVkyQ2c5oCu9jLzofB&id=100064522429111	0	0	Photo	Lifetime	59	46	4	3	0	1	4	2		2	
	Upper Fox-Wolf Demonstration Farm Network is hosting a Farmer Social Hour on Wednesday, August 30th. Stop out to chat with fellow farmers!	8/15/2023 11:08	https://www.facebook.com/permalink.php?story_fbid=pfbid0HFuSBDtNQ8pjJGkkeEvWyhYfTzCa2wooMGoddytSN447ao1jiHnAnkemQzyThJl&id=100064522429111	0	0	Photo	Lifetime	185	168	3	2	1	0	5	1		4	
	Producers impacted by the drought conditions can find information about emergency disaster loans offered through the U.S. Department of Agriculture Farm Service Agency using the tools below: Disaster Assistance Discovery Tool - https://www.farmers.gov/protection-recovery/disaster-tool Loan Assistance Tool - https://lat.fpac.usda.gov/	8/15/2023 12:08	https://www.facebook.com/permalink.php?story_fbid=pfbid0fPbAT3RPkSmvgubbAJbtp2SvjWBphvkanM2CSzuVLLTWvmwGeaSGbPRRCanFQ&id=100064522429111	0	0	Photo	Lifetime	74	61	0	0	0	0	0				
	Join us for our annual Fox-Wolf Watershed Alliance, Keepers of the Fox, and the Oneida Nation to host a field day at the SHED (Soil Health Education & Demonstration) facility. Come out and tour the SHED plots to see cover crop species, no-till alfalfa seeding, interseeding, and hear about future plot ideas. You can also see the equipment available to rent including interseeders, manure injectors, planters, and more!	8/16/2023 12:08	https://www.facebook.com/permalink.php?story_fbid=pfbid028K8SvdrMCtqtPYXCVk3sn22aTVENJ9FF5ZfNnorzsQu44CB0Xfrhjjfi2aTPnUG8pI&id=100064522429111	0	0	Photo	Lifetime	91	76	1	1	0	0	4	4			
	We are excited to welcome Chris Clark! Chris is the new Nutrient and Pest Management Outreach Specialist for the University of Wisconsin–Madison. She will be working in Outagamie, Door, Brown, and Kewaunee Counties to assist with Nutrient Management Plan writing classes, resources, and training. She shared some quick links with us that you may find valuable too! QUICK LINKS * Online self-paced UW Nutrient Management course: https://uwnmfe.tiiny.site/ * NPM website: https://pcm.wisc.edu/ * NPM Bumper Crop YouTube Videos: https://www.youtube.com/user/uwipm/ * FREE Agriculture App's- the NPM team has several useful app's to compliment scouting for insects, disease and beyond. See them at https://pcm.wisc.edu/apps/	8/22/2023 13:08	https://www.facebook.com/permalink.php?story_fbid=pfbid0fb9PkDKvAGntfvSsWs8TLrSBWKcDcRi2dg4SsAaYKcc3f1BpY8AKFkiPCLSpFVal&id=100064522429111	0	0	Photo	Lifetime	187	172	4	3	0	1	9	7	1	1	
	Did you know that the Outagamie County Land Conservation Department has a variety of rental equipment available for operators to try? We also have knowledgeable agronomists to answer questions and assist with setting up the equipment so you are ready to go. Check it out https://www.outagamie.org/government/departments-f-m/land-conservation/soil-health-education-demo-shed/soil-health-rental-equipment	8/29/2023 9:08	https://www.facebook.com/permalink.php?story_fbid=pfbid0fb9PkDKvAGntfvSsWs8TLrSBWKcDcRi2dg4SsAaYKcc3f1BpY8AKFkiPCLSpFVal&id=100064522429111	0	0	Photo	Lifetime	44	34	4	4	0	0	4		3	1	
	Japanese knotweed can choke waterways and hasten erosion. It is a serious threat to riparian ecosystems. There are at least 3 types of knotweed in Wisconsin. Researchers are working to understand more about the hybridization potential among those populations and how the genetics of the current populations may impact control methods. You can be a part of a research project focused on investigating the genetics of the populations of the invasive plant knotweed in Wisconsin. It's as simple as 3 steps! Learn more here: https://sites.google.com/uppersugar.org/knotweedgeneticsresearch/home #5tool!nvasiveSpecies #iaoaneseknotweed #orotectourwaters	8/31/2023 12:08	https://www.facebook.com/permalink.php?story_fbid=pfbid08JPoub65A9UY93k8gJfASxBUtHnreZ6igmruu2wfnrgsioNpfMarstrA8HNcnQGJl&id=100064522429111	0	0	Photo	Lifetime	72	61	7	4	2	1	3			3	
	Come out and join Upper Fox-Wolf Demonstration Farm Network at Tauchen's Farm on September 19th from 10 AM- 12 PM. There will be corn samoline. moisture assessments. and a discussion on incorooratine interseedina into your farm.	9/12/2023 10:09	https://www.facebook.com/permalink.php?story_fbid=pfbid02QZCqTDiRmsdTsJPYB1NKNWfd84T48FQdZASFvQtY4YGBX76E8qVAHtsvLSyomqX6&id=100064522429111	0	0	Photo	Lifetime	146	130	0	0	0	0	3	2		1	
	Want to learn how to transform a deraded farm woodlot into a ouality forest? Check out this Demo Forest Event!	9/18/2023 12:09	https://www.facebook.com/permalink.php?story_fbid=pfbid02VCuDib1bQttTrVpBueCrd5yf6Z1YpCcdf1zk5Wcew7G2KQWuoSBnm4HmLQEqohe2l&id=100064522429111	0	0	Photo	Lifetime	82	72	0	0	0	0	1	1			
	Want to learn more about prescribed burning? Find out more at the Prescribed Fire Workshop on Nov. 1st. from 10am - 3pm at the Public Safety Training Center in Appleton.	10/20/2023 5:10	https://www.facebook.com/permalink.php?story_fbid=pfbid0hBXjG1fV7cJ6dL6jFDrtoiSewajcsw8S8Niw44dr1tB7LpEdXsBE3iiMzywmCjSl&id=100064522429111	0	0	Photo	Lifetime	178	161	4	3	0	1	6		2	4	
New 'Soil Health Education and Demonstration' site aims to boost sustainable aericulture	Yesterday was an important day for us. We hosted a ribbon-cutting event at the Soil Health Education Demonstration (SHED) site on Jordan Court in Dothere. Our key partners, Oneida Nation and Green Bay Metropolitan Sewerage District - NEW Water came out to celebrate our collaborative efforts to improve soil health in our reaion.	11/16/2023 7:11	https://www.facebook.com/permalink.php?story_fbid=pfbid02mj4MDg849iFfDXTPLpkJc9m54CTBmTxed5rVaqZfMdeG6wxxC4D69hDrReYfcl&id=100064522429111	0	0	Link	Lifetime	152	138	29	26	1	2	15	14		1	
2024 NORTHEAST WISCONSIN WOODLAND OWNERS CONFERENCE	It's time to save your spot at the 2024 NE Wisconsin Woodland Owners Conference! https://www.eventbrite.com/e/2024-northeast-wisconsin-woodland-owners-conference-tickets-758001712527	11/29/2023 13:11	https://www.facebook.com/permalink.php?story_fbid=pfbid02oTXVF3f4G64YSsNiCTLCjCuicXgtwtz8884qA1rvzUoiGWuBGCF5D75kHYswkHal&id=100064522429111	0	0	Link	Lifetime	92	79	3	2	1	0	1	1			
Indigenous approach to agriculture could change our relationship to food, beto the land	We are excited to share this article about the Oneida Nation's white corn efforts and their food sustainabilitv proaram.	12/4/2023 10:12	https://www.facebook.com/permalink.php?story_fbid=pfbid02GQS62e2ufkrhqAiU368fTCgpKxLTLuDByttmgb8QJRD1anLHXjNASh1VsGJPN2whNY9&id=100064522429111	0	0	Link	Lifetime	50	39	1	1	0	0	1	1			
Status update	We are excited to receive a grant from the Great Lakes Commission! This funding will be used for a project in Plum Creek which aims to stabilize stream banks. reconnect a floodolain. and restore a riparian corridor.	10/2/2023 11:10	https://www.facebook.com/permalink.php?story_fbid=pfbid08w66XggMG3gS6C2BxyRvTt1idtGiKkzBRSSERUk636C6xKzgomKc2jSMuJaMBEfC9Kl&id=100064522429111	0	1	Photo	Lifetime	81	68	5	5	0	0	7	1	6		
	"Women landowners are a growing demographic and a powerful force on the land. The 2017 Census recorded 38,500 female producers in Wisconsin, showing that women make up 35 percent of all producers in the state, which is slightly higher than the national average of 30 percent. That means women have more influence than ever over the future of land and water in Wisconsin, and we need to be intentional about reaching them with resources and support," said Dr. Esther S. Durairaj, Program Director for Wisconsin Women in Conservation and a research scientist at the Michael Fields Agricultural Institute. "We hope the agricultural and conservation communities will come celebrate with us!" Join the celebration and Look Book Launch at Green Bay Botanical Garden on October 10th from 4-6pm.	10/3/2023 9:10	https://www.facebook.com/permalink.php?story_fbid=pfbid02ys2sY16WujJfCXPU4KSC24CG7bdLqS3PM6xMZ3cXwEB6WzVLqo8yfvCSvYpxcVHZ8&id=100064522429111	0	0	Photo	Lifetime	79	66	3	3	0	0	0				
	Last week we had the pleasure of hosting Conservation Field Days at Homestead Meadows. Over the course of 2 days, 580 students navigated 9 outdoor stations to learn from professionals about the importance of conserving our natural resources. We are grateful for the teachers, chaperones, agency partners, and the many volunteers who made this possible. A special thank you to Homestead Meadows, Riesterer & Schnell, Wild Ones - Green Bay Chapter, Tilth Agronomy Group, Pheasants Forever, Outagamie UW Extension, U.S. Department of Agriculture, NRCS, WI Land+Water Youth Education, Fox-Wolf Watershed Alliance, Glacierland RC&D, Outagamie County Dairy Promotion, GreenStone Farm Credit Services, Izaak Walton League of America, The Plant Gal, Master Gardener Association - Outagamie County, Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP), and Verhaselt Farms LTD.	10/6/2023 8:10	https://www.facebook.com/permalink.php?story_fbid=pfbid0tJ29mTN4qoyy2jGxTdcb8X6wUrmaodRCgfsJMtDCdBFRoaUuBuyuh8fGWaCy9KYSI&id=100064522429111	0	0	Photo	Lifetime	182	163	11	8	3	0	12		10	2	
		10/16/2023 6:10	https://www.facebook.com/permalink.php?story_fbid=pfbid0qNjTFKSFmuADbAVZTGTEEfSaXT2zTqhqwgMFVwkuxcpWPn1bBKSQctLdQ5ZvAo&id=100064522429111	0	0	Photo	Lifetime	117	109	2	1	0	1	4		3	1	

Work Class	ATCP BMP Code	DNR BMP Code & Desc	NRCS BMP Code & Description	Installed Date	Status	Date Issued	Expiration Date	Permit Number	Inspector	Application Plan Checker	Unit	Quantity	DNRHUC12 Watersheds	Phosphorus Reduction (lbs)	TSS Reduction (tons)	Name	Cost Share Source	Cost Share ($)	Cost Share Source (2)	Cost Share (2) ($)	Other Quantity	Other Units	Contract Number	Total Cost ($)	Cost Share - Land Owner ($)	Status
AWS New Waste Storage	50.62	R16-Manure Storage Systems	313-Waste Storage Facility	8/28/2023	Pending			PRLCD202100871	Quint Krueger	Quint Krueger	Animal Units	283	Outagamie State Wildlife Area-Wolf River			Reese Farm CNMP, Waste Transfer, Roof	NRCS_EQIP	0	WDNR_NOD				2022-NOD-01	0	0	Pending
AWS New Waste Storage	50.62	R16-Manure Storage Systems	313-Waste Storage Facility	9/28/2023	In Plan Check			PRLCD202300340	Quint Krueger	Quint Krueger	Animal Units	1	Town of Greenville-Bear Creek	0	0	Reis, Dennis Waste Storage & NMP 2023	LWRM	14664.49	SEG	19041.21			2023-LWRM-108	48151	14445.3	Pending
AWS Closure	50.63	R15-Manure Storage Systems Closure	360-Waste Facility Closure	6/14/2023	Finaled	9/20/2023	9/19/2025	PRLCD202300020	Quint Krueger	Quint Krueger	Qty	1	Upper Duck Creek	0	0	Simon Jim pit closure	NRCS_EQIP	28102					EQIP			Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	5/5/2023	Finaled	6/15/2023		PRLCD202300451	Alex Krepline	Alex Krepline	Acres	19.6	Upper Duck Creek	6.9	1.6	J-Springs Dairy Cover Crops & No Till 2022-2023	WDNR_TMDL_LS TRM	490					2022-DuckSR3-024	700	210	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	5/17/2023	Finaled	6/15/2023		PRLCD202300427	Alex Krepline	Alex Krepline	Acres	16.3	Apple Creek	7.1	0.3	K&T Dairy Cover Crop & No-Till 2022-2023	WDNR_TMDL_LS TRM	407.5					2023-AppleSR2-002	582.1429	174.6429	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	8/11/2023	Finaled	11/29/2023		PRLCD202300698	Alex Krepline	Alex Krepline	Acres	19.3	Upper Duck Creek	6.9	0.6	J-Springs Dairy Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	1351					2023-DuckSR3-027	1930	579	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	9/15/2023	Issued	11/29/2023		PRLCD202300871	Alex Krepline	Alex Krepline	Acres	22.5	Apple Creek	9.9	0.5	Gregory VanHandel Cover Crops & No-Till 2023-2024	WDNR_TMDL_LS TRM	900					2023-AppleSR2-004	1285.7143	385.7143	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	10/14/2023	Issued	12/6/2023		PRLCD202300961	Alex Krepline	Alex Krepline	Acres	275.2	Bear Creek, Maple Creek	72.7	24.8	John Heideman Cover Crops & No-Till 2023-2024	GLRI	12384					GLRI-23-BC10	17691.4286	5307.4286	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	10/15/2023	Finaled	11/20/2023		PRLCD202300917	Andy Kiefer	Andy Kiefer	Acres	84	Plum Creek	49	4.1	Hoelzel Dairy Cover Crop and Residue Management 2023-2024	MDV	5880					2023-MDV-LF2	8400	2520	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	10/16/2023	Issued	11/29/2023		PRLCD202300916	Alex Krepline	Alex Krepline	Acres	76.1	Upper Duck Creek	27.3	2.4	Dennis Vandewalle Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	5327					2022-DuckSR3-028	7610	2283	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	10/18/2023	Finaled	11/20/2023		PRLCD202300919	Andy Kiefer	Andy Kiefer	Acres	37.7	Plum Creek	21.7	2.82	KruegerCenturyFarm CC+RM 2023-2024	NFWF	2568.121					NFWF01-01	2831.8043	849.5413	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	10/30/2023	Issued	11/29/2023		PRLCD202300914	Alex Krepline	Alex Krepline	Acres	43	Upper Duck Creek	15.4	1.4	Kurey Brothers Partnership Cover Crops & No-Till 2023-2024	WDNR_TMDL_LS TRM	2580					2022-DuckSR3-034	3685.7143	1105.7143	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	11/1/2023	Finaled	12/5/2023		PRLCD202300959	Alex Krepline	Alex Krepline	Acres	36.8	Upper Duck Creek	12.9	3	Michael E. Salter Cover Crops & No-Till 2023-2024	Fund For Lake Michigan	2355.568					NFWF01-04	3120.0071	764.4411	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	11/1/2023	Finaled	12/5/2023		PRLCD202300960	Alex Krepline	Alex Krepline	Acres	100	Upper Duck Creek	17.9	1.6	Michael G. Salter Cover Crops & No-Till 2023-2024	Fund For Lake Michigan	3326.392					NFWF01-03	3641.9885	1092.5965	Closed
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	11/1/2023	Issued	11/29/2023		PRLCD202300906	Alex Krepline	Alex Krepline	Acres	291.9	Upper Duck Creek	104.6	9.2	Randy Schmidt Cover Crop & No Till 2023-2024	WDNR_TMDL_LS TRM	18416					2022-DuckSR3-031	26308.5715	7892.5715	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	11/1/2023	Issued	11/29/2023		PRLCD202300907	Alex Krepline	Alex Krepline	Acres	204.8	Upper Duck Creek	73.4	6.5	Kyle Schmidt - Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	11498					2022-DuckSR3-032	16425.7143	4927.7143	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	11/10/2023	Issued	11/29/2023		PRLCD202300908	Alex Krepline	Alex Krepline	Acres	68.1	Upper Duck Creek	24.4	2.1	Erik Heiden Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	4767					2022-DuckSR3-029	6810	2043	Permit(s) Issued
Crop Land Conservation	50.68	R5-Cover Crop	340-Cover Crop	11/20/2023	Finaled	11/20/2023		PRLCD202300918	Andy Kiefer	Andy Kiefer	Acres	67.1	Kankapot Creek	32.3	5.3	FrankSpranger Cover Crop & RM 2023-2024	NFWF	4122.25					NFWF01-02	5888.7457	1766.4957	Closed
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/6/2023	9/5/2027	PRLCD202200911	Quint Krueger	Quint Krueger	Acres	85.2	Village of Shiocton-Wolf River	36	0	Joe Schlintz NMP 2022	SEG	3408					2022-LWRM-105	3408		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/6/2023	9/5/2027	PRLCD202200917	Quint Krueger	Quint Krueger	Acres	4.03	Municipality of Stephensville-Bear Creek	0.7	0	Joe Schlintz NMP 2022	SEG	161.2					2022-LWRM-112	161.2		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/6/2023	9/5/2027	PRLCD202300100	Quint Krueger	Quint Krueger	Acres	54	Municipality of Stephensville-Bear Creek	11	0	Joe Schlintz NMP 2022	SEG	2160					2022-LWRM-102	2160		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/6/2023	9/5/2027	PRLCD202300101	Quint Krueger	Quint Krueger	Acres	90.3	Turney Hill-Bear Creek	18.4	0	Joe Schlintz NMP 2022	SEG	3612					2022-LWRM-104	3612		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/6/2023	9/5/2027	PRLCD202300102	Quint Krueger	Quint Krueger	Acres	127.3	Village of Shiocton-Wolf River	24	0	Joe Schlintz NMP 2022	SEG	5092					2022-LWRM-107	5092		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/6/2023	9/5/2027	PRLCD202300103	Quint Krueger	Quint Krueger	Acres	36	Municipality of Stephensville-Bear Creek	7.4	0	Joe Schlintz NMP 2022	SEG	1440					2022-LWRM-106	1440		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	5/8/2023	Issued	9/20/2023	9/19/2027	PRLCD202300098	Quint Krueger	Quint Krueger	Acres	31.8	Municipality of Stephensville-Bear Creek	5.5	0	Joe Schlintz NMP 2022	SEG	1272					2022-LWRM-103	1272		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	6/1/2023	Issued	12/6/2023	12/5/2027	PRLCD202300461	Quint Krueger	Quint Krueger	Acres	59.1	Upper Black Creek	10.8	0	Vanhandel Tyler NMP 2023	SEG	2364					2023-LWRM-106	2364		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	6/1/2023	Issued	12/14/2023	12/13/2027	PRLCD202300462	Quint Krueger	Quint Krueger	Acres	31.9	Upper Black Creek	5.7	0	Vanhandel Tyler NMP 2023	SEG	1276					2023-LWRM-102	1276		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	6/1/2023	Issued	12/14/2023	12/13/2027	PRLCD202300716	Quint Krueger	Quint Krueger	Acres	15.1	Upper Black Creek	2.75		Vanhandel Tyler NMP 2023	SEG	604					2023-LWRM-100	604		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	6/1/2023	Issued	12/14/2023	12/13/2027	PRLCD202300717	Quint Krueger	Quint Krueger	Acres	46.3	Upper Black Creek	8.48		Vanhandel Tyler NMP 2023	SEG	1852					2023-LWRM-101	1852		Permit(s) Issued
Crop Land Conservation	50.78	R18-Nutrient Management	590-Nutrient Management	6/1/2023	Issued	12/14/2023	12/13/2027	PRLCD202300718	Quint Krueger	Quint Krueger	Acres	29	Upper Black Creek	5.3		Vanhandel Tyler NMP 2023	SEG	1160					2023-LWRM-103	1160		Permit(s) Issued
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	5/5/2023	Finaled	6/15/2023		PRLCD202300450	Alex Krepline	Alex Krepline	Acres	19.6	Upper Duck Creek	6.9	1.6	J-Springs Dairy Cover Crops & No Till 2022-2023	WDNR_TMDL_LS TRM	480.2					2022-DuckSR3-024	686	205.8	Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	5/15/2023	Finaled	6/14/2023		PRLCD202300413	Alex Krepline	Alex Krepline	Acres	241.5	Upper Duck Creek	121.7	38	Darrin Stingle Cover Crops & No Till 2022-2023	WDNR_TMDL_LS TRM	5916.75					2022DuckSR3-025	8452.5	2535.75	Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	5/16/2023	Finaled	6/15/2023		PRLCD202300426	Alex Krepline	Alex Krepline	Acres	35.3	Apple Creek	21.8	3.7	K&T Dairy Cover Crop & No-Till 2022-2023	WDNR_TMDL_LS TRM	864.85					2023-AppleSR2-002	1235.5	370.65	Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	5/17/2023	Finaled	6/15/2023		PRLCD202300416	Alex Krepline	Alex Krepline	Acres	227.5	Apple Creek	140.3	23.9	Bob VanDeLoo & Sons Inc. Cover Crop & No-Till 2022-2023	WDNR_TMDL_LS TRM	5573.75					2023-AppleSR2-008	7962.5	2388.75	Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	5/23/2023	Finaled	8/22/2023		PRLCD202300440	Andy Kiefer	Andy Kiefer	Acres	171.6	Plum Creek	131.9	21.8	Hoelzel Dairy Cover Crop and Residue Management 2022-2023	MDV	4204.2					2023-MDV-LF1	6006	1801.8	Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	6/9/2023	Finaled	6/20/2023		PRLCD202300429	Alex Krepline	Alex Krepline	Acres	47.9	Upper Duck Creek	18.5	4.8	Michael E. Salter Cover Crops & No-Till 2022-2023	NFWF	729.517					NFWF01-04			Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	6/15/2023	Finaled	6/15/2023		PRLCD202300454	Alex Krepline	Alex Krepline	Acres	47.4	Apple Creek	29.2	5	Ronald VanHandel Cover Crops & No-Till 2022-2023	WDNR_TMDL_LS TRM	1161.3					2023-AppleSR2-001	1659	497.7	Closed
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	10/6/2023	Issued	11/29/2023		PRLCD202300910	Alex Krepline	Alex Krepline	Acres	57	Upper Duck Creek	28.7	9	Dennis Vandewalle Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	1396.5					2022-DuckSR3-028	1995	598.5	Permit(s) Issued
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	10/9/2023	Issued	11/29/2023		PRLCD202300909	Alex Krepline	Alex Krepline	Acres	38.1	Upper Duck Creek	19.2	6	Duane Felton Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	933.45					2022-DuckSR3-030	1333.5	400.05	Permit(s) Issued
Crop Land Conservation	50.82	R22-Residue Management	329-Residue and Tillage Management-No-Till	10/15/2023	Issued	11/29/2023		PRLCD202300915	Alex Krepline	Alex Krepline	Acres	122.4	Upper Duck Creek	61.7	19.3	Darrin Stingle Cover Crops & No Till 2023-2024	WDNR_TMDL_LS TRM	2998.8					2022-DuckSR3-033	4284	1285.2	Permit(s) Issued
Crop Land Conservation	50.82	R22-Residue Management	345-Residue and Tillage Management-Reduced Till	5/17/2023	Finaled	6/15/2023		PRLCD202300455	Alex Krepline	Alex Krepline	Acres	100.6	Apple Creek	62	10.6	James Kortz Cover Crops & No Till 2022-2023	WDNR_TMDL_LS TRM	2464.7					2023-AppleSR2-003	3521	1056.3	Closed
Crop Land Conservation	50.82	R22-Residue Management	345-Residue and Tillage Management-Reduced Till	5/19/2023	Finaled	6/16/2023		PRLCD202300458	Andy Kiefer	Andy Kiefer	Acres	67.1	Kankapot Creek	32.3	5.3	FrankSpranger Cover Crop & RM 2022-2023	NFWF	980.81					NFWF01_02			Closed
Crop Land Conservation	50.82	R22-Residue Management	345-Residue and Tillage Management-Reduced Till	5/22/2023	Finaled	6/15/2023		PRLCD202300446	Alex Krepline	Alex Krepline	Acres	130.1	Upper Duck Creek	65.6	20.5	Kurey Brothers Partnership Cover Crops and No Till 2022 - 2023	WDNR_TMDL_LS TRM	2535.65					2023-DuckSR3-023	3622.3571	1086.7071	Closed
Crop Land Conservation	50.82	R22-Residue Management	345-Residue and Tillage Management-Reduced Till	6/1/2023	Finaled	6/16/2023		PRLCD202300457	Andy Kiefer	Andy Kiefer	Acres	37.7	Plum Creek	21.71	2.82	KruegerCenturyFarm Cover Crop and Residue Mgmt 2022-2023	NFWF	574.171					NFWF01_01			Closed
Structural Land Conservation	50.64	R11-Heavy Use Area Protection	561-Heavy Use Area Protection	8/21/2023	Issued	12/11/2023	12/8/2033	PRLCD202300889	Quint Krueger	Quint Krueger	Qty	3685	Upper Black Creek	67.8	0	Ullmer_Damian_BarnyardRO_AccessRd_2023	LWRM	38002.44					2023-LWRM-113	56574.92	18572.48	Permit(s) Issued
Structural Land Conservation	50.64	R11-Heavy Use Area Protection	561-Heavy Use Area Protection	9/8/2023	Issued	9/8/2023	9/5/2033	PRLCD202200517	Elly Magdanz	Elly Magdanz	Qty	1	Village of Shiocton-Wolf River	0	0	Lisa West grazing practices	NRCS_EQIP	2061			650	SqFt	EQIP2018745F48220MT			Permit(s) Issued
Structural Land Conservation	50.70S	R52-Feed Storage Runoff Control Systems	561-Heavy Use Area Protection	10/3/2023	Issued	1/9/2023	1/6/2033	PRLCD202001282	Elly Magdanz	Elly Magdanz	Qty	1	Bear Creek	118	0	Flanagan James & Cliff Waste Storage & Transfer	NRCS_EQIP	6676.29			2133	SqFt	EQIP 2018 745F481935X			Permit(s) Issued
Structural Land Conservation	50.72	R9-Filter Strips	393-Filter Strip	1/11/2023	Issued	11/21/2023	11/18/2033	PRLCD202200783		Cassandra Kohls	Acres	2.73	Township of Deer Creek-Embarrass River	5.2	2.5	Koepke_Randall_CREP_Filter Strip_2022	CREP	586.2					11088			Permit(s) Issued
Structural Land Conservation	50.72	R9-Filter Strips	393-Filter Strip	1/11/2023	Issued	11/21/2023	11/18/2033	PRLCD202200784		Cassandra Kohls	Acres	4.98	Upper Duck Creek	34.6	16.6	Westemeier_Doug_CREP_filter strip_2022	CREP						11087			Permit(s) Issued
Structural Land Conservation	50.72	R9-Filter Strips	393-Filter Strip	3/15/2023	Issued	11/22/2023	11/19/2033	PRLCD202200781		Cassandra Kohls	Acres	1.35	Turney Hill-Bear Creek	4.8	2.3	Gierke_Carl_CREP 2022	CREP						11093			Permit(s) Issued
Structural Land Conservation	50.76	R14-Livestock Watering Facilities	516-Livestock Pipeline	9/8/2023	Issued	9/8/2023	9/5/2033	PRLCD202200516	Elly Magdanz	Elly Magdanz	Qty	1	Village of Shiocton-Wolf River	0	0	Lisa West grazing practices	NRCS_EQIP	2250			375	Linear Ft	EQIP2018745F48220MT			Permit(s) Issued
Structural Land Conservation	50.76	R14-Livestock Watering Facilities	614-Watering Facility	9/8/2023	Issued	9/8/2023	9/5/2033	PRLCD202200514	Elly Magdanz	Elly Magdanz	Qty	1	Village of Shiocton-Wolf River,Municipality of Stephensville-Bear Creek	0	0	Lisa West grazing practices	NRCS_EQIP	1189					EQIP2018745F4822OMT			Permit(s) Issued
Structural Land Conservation	50.83	R23-Riparian Buffers	NA-Not Applicable	3/15/2023	Issued	11/21/2023	11/17/2038	PRLCD202200782		Cassandra Kohls	Acres	1.36	Middle Duck Creek,Apple Creek	6.5	3.1	Van Epern_Kurt_CREP_Buffer Strip_2022	CREP	326.4					11084			Permit(s) Issued
Structural Land Conservation	50.88	R39S-Streambank/Shoreline Protection Shaping & Seeding	580-Streambank & Shoreline Protection	11/15/2023	Issued	11/28/2023	11/25/2033	PRLCD202300647	Sage Tanck	Sage Tanck	Linear Ft	170	Oneida Creek,Lower Duck Creek	0	0	Seminary Rd Streambank Project	Oneida Nation						N/A			Permit(s) Issued
Structural Land Conservation	50.88	R39S-Streambank/Shoreline Protection Shaping & Seeding	582-Open Channel	5/11/2023	Issued	6/21/2023	6/18/2033	PRLCD202200773	Sage Tanck	Luke Hickey	Linear Ft	4715	Dutchman Creek	104.5	12.9	McCabe_BainTwoStage	GLRI	118400					GLRIRiparian_001	148000	29600	Permit(s) Issued
Structural Land Conservation	50.88S	R39C-Stream Crossing	578-Stream Crossing	5/11/2023	Issued	8/18/2023	8/15/2033	PRLCD202200774	Sage Tanck	Luke Hickey	Linear Ft	81	Dutchman Creek	0	0	McCabe_BainTwoStage							GLRIRiparian_001			Permit(s) Issued
Structural Land Conservation	50.88S	R39C-Stream Crossing	578-Stream Crossing	5/11/2023	Issued	9/20/2023	9/17/2033	PRLCD202200775	Sage Tanck	Luke Hickey	Linear Ft	91	Dutchman Creek	0	0	McCabe_BainTwoStage							GLRIRiparian_001			Permit(s) Issued
Structural Land Conservation	50.93	WTS- Waste Transfer Systems	533-Pumping Plant	10/3/2023	Issued	1/9/2023	1/5/2038	PRLCD202001281	Elly Magdanz	Elly Magdanz	Qty	1	Bear Creek	0	0	Flanagan James & Cliff Waste Storage & Transfer	NRCS_EQIP	2411.05			5 HP		EQIP 2018 745F481935X			Permit(s) Issued
Structural Land Conservation	50.93	WTS- Waste Transfer Systems	634-Waste Transfer	10/3/2023	Issued	1/9/2023	1/5/2038	PRLCD202001253	Elly Magdanz	Elly Magdanz	Qty	1	Bear Creek	0	0	Flanagan James & Cliff Waste Storage & Transfer	NRCS_EQIP	17790.86			14970	Cubic Feet	EQIP 2018 745F481935X			Permit(s) Issued
Structural Land Conservation	50.93	WTS- Waste Transfer Systems	634-Waste Transfer	10/3/2023	Issued	1/9/2023	1/5/2038	PRLCD202001283	Elly Magdanz	Elly Magdanz	Qty	1	Bear Creek	0	0	Flanagan James & Cliff Waste Storage & Transfer	NRCS_EQIP	12333.5			425	Linear Ft	EQIP 2018 745F481935X			Permit(s) Issued
Structural Land Conservation	50.93	WTS- Waste Transfer Systems	634-Waste Transfer	10/3/2023	Issued	1/9/2023	1/5/2038	PRLCD202300008	Elly Magdanz	Elly Magdanz	Qty	1	Bear Creek	0	0	Flanagan James & Cliff Waste Storage & Transfer	NRCS_EQIP	5743.79			1469 gal		EQIP 2018 745F481935X			Permit(s) Issued
Structural Land Conservation	50.97	R37-Well Decomissioning	351-Well Decommissioning	6/19/2023	Finaled	10/4/2023	10/3/2025	PRLCD202300464	Quint Krueger	Quint Krueger	Qty	1	Lower Black Creek	0	0	Lorenz Family Trust well decommisionig	LWRM	668.5					2023-LWRM-109	955	286.5	Closed
														1938.22	398.04										

WPDES 2023 MS4 Annual Reporting Requirements			
YES/NO	Required Items		
	Ch. 2 Public Education and Outreach		
	- Social Media Posts &/or Roundtables	2023 Farmer Roundtables :(Winnebago Waterways 2/15/23- ~107 attendees), (Lower Fox 2/23/2023).	https://fwwa.org/2023/03/09/winnebago-waterways-2023-roundtable/
	- One-on-One Conversations with County Residents	See CityView Projects Export	
	- Any flyers or hands out to the public	no	
	- Any conversations with land owners while permitting/discussing projects	See CityView Projects Export	
	- Volunteer or workshops held	no	
	Ch. 3 Public Involvement and Participation		
	- Conservation Field Days Summary (attendance, target audience, topics related to SW)	Attendance: 869 5th & 6th grade students, Water station focuses on urban stormwater and agricultural stormwater runoff.	
	- Other events		
	- Shoreland/wetland restoration projects, ag-related projects, etc. educating public on stormwater topics	See CityView Projects export (2 projects highlighted in yellow)	
	Ch. 5 Construction Site Pollutant Control		
	- Were there other projects that were not permitted through DLS which had connections to MS4?	No	

Parks Department Summary Report - 2023

Please see attached files and summary for the 2023 Nutrient Management Plan at Plamann Park. In total there were 13 services performed. Treatments completed at the Fox Valley Pop Warner football field were serviced by TRUGREEN. The Grand Chute baseball fields had services performed by Spruce It up Lawn Maintenance and Mosquito Squad. Social media posts relating to the storm water have also been attached.

Below includes a brief summary of the services:

- April: On 4/21 Spruce It Up applied granular fertilizer and crabgrass control (EPA #62719-486-41124) to baseball Field #6 at a rate of 3.5lbs/1000 sq. ft. A total of 161 lbs. was applied. Baseball Field #2 was also treated on the same day with a granular fertilizer and crabgrass control applied at a rate of 3.5 lbs. /1000 sq. ft. A total of 183.75 lbs. was applied. On 4/22 Pop Warner football field was treated by TRUGREEN. Pre-emergent weed control (Barricade) was applied at a rate of .50 gal/1000sq ft. A total of 12.15 gal was applied to 24300 sq. ft. 81 lbs. of high nitrogen granular fertilizer (25-0-5) was applied at a rate of 3 lbs./1000 sq. ft. 81lbs was applied to 27000 sq. ft.
- May: On 5/26 Spruce It Up performed a granular fertilizer treatment to baseball Field #2 at a rate of 3.5 lbs./1000 sq. ft. A total of 18 lbs. was applied. Liquid weed control (Vessel) (EPA # 2217-656-72112) was applied at a rate of 3-4 pints per acre. A total of 25 gal was used. Field #6 was also treated with the same products. Granular fertilizer was applied at a rate of 3.5 lbs. /1000 sq. ft. for a total of 161lbs and 21 gallons of liquid weed control. On 5/26 Mosquito Squad sprayed the baseball fields with Tempo SC-Suspend Polyzone (EPA#92564-Tx) at a rate of 1 .75 oz. /gal. A total of 25 gal of RTU was applied to 4 acres. On 5/30 TRUGREEN applied a nitrogen/potassium granular fertilizer to the football field at a rate of 3 lb. /1000sq ft. A total of 81 lbs. was applied to 2700 sq. ft. A broadleaf weed control spray, “TRUPOWER” was applied at a rate of .25 gal. /1000 sq. ft. A total of 6.75 gal was applied to 27000 sq. ft.
- June: On 6/16 Mosquito Squad sprayed the baseball fields with Tempo SC-Suspend Polyzone (EPA#92564-Tx) at a rate of 1 .75 oz. /gal. A total of 25 gal of RTU was applied to 4 acres. On 6/28 TRUGREEN applied a granular fertilizer treatment to the football field at a rate of 3lbs/1000 sq. ft. A total of 81 lbs. was applied to 27000 sq. ft. TRUPOWER 3 (EPA # 228-551) was applied at a rate of .25 gal/1000 sq. ft. A total of 1.69 gal was applied to 6750 sq. ft.
- July: On 7/7, Mosquito Squad sprayed the baseball fields with Tempo SC-Suspend Polyzone (EPA#92564-Tx) at a rate of 1 .75 oz./gal. A total of 25 gal of RTU was applied to 4 acres. On 7/26 TRUGREEN applied 81lbs of Nitrogen/potassium granular fertilizer (25-0-5) at a rate of 3 lb./1000sq ft. to 2700 sq. ft. Broadleaf Weed control (Change Up EPA # 228-445) was applied at a rate of .25 gal/1000 sq. ft. A total of 5.06 gal was applied to 20250 sq. ft.
- August: On 8/30 TRUGREEN applied granular fertilizer to the football fields (25-0-5 (Nitrogen, Potassium) at a rate of 3lbs/1000 sq. ft. for a total of 81 lbs. to 27000 sq. ft. Broadleaf weed control was also applied (Change Up EPA # 228-445) at a rate of .25 gal/1000 sq. ft. A total of 1.69 gal was applied to 6750 sq. ft.

- October: On 10/10 TRUGREEN applied a granular fertilizer (25-0-5 (Nitrogen, Potassium) at a rate of 3 lbs./1000 sq. ft. A total of 600 lbs. was applied to 200000 sq. ft. Broadleaf Weed control (Change Up EPA # 228-445) was applied at a rate of .25 gal/1000 sq. ft. A total of 12.50 gal was applied to 50000 sq. ft.

TRUGREEN COMMERCIAL

5991 - APPLETON, WI
2015 W SPENCER ST
APPLETON, WI, 54914
(920)734-4198

Master Form #:

Work order #: WO5780410886

CUSTOMER SERVICE INFORMATION

FOX VALLEY POP WARNER FOOTBALL
5991-7005319917-L#
1375 E BROADWAY DR
APPLETON, WI, 54913
HOME:

SPECIALIST INFORMATION

TRUCK ID: 110251
SPECIALIST: 47302-MICHAEL ALLEN
LICENSE #: 315552CA 315552 315552

CUSTOMER BILLING INFORMATION

FOX VALLEY POP WARNER FOOTBALL
PO BOX 943
APPLETON, WI, 54912
HOME:

CONDITIONS

START:
TEMP: 48 ° F
WIND: 6.6 MPH NW

TODAY'S SERVICE	DESCRIPTION	PROPERTY SQFT	DATE	TIME
Customized Lawn Plan	Lawn Service	200000 sqft	10/10/2023	12:11 PM - 1:27 PM

COMMENTS

- Thank you for choosing us to care for your property.

WHAT I DID AND WHAT TO EXPECT

- Today, I treated for broadleaf weeds in your lawn. You should see weeds begin to decline in 7 - 21 days. For best results avoid mowing for 24 hours.
- Today, I applied fertilizer to thicken up your lawn and improve its health and color. NC: 25-0-5 50% AS .75 lb N Guaranteed Analysis: Total Nitrogen (N) 25%. 12.5% urea nitrogen, 12.5% ammoniacal nitrogen. Soluble Potash 5%. Derived from Urea, Ammonium Sulphate, Potassium Chloride.

WHAT I NOTICED

- I noticed one or more areas of your lawn is severely compacted.
- I noticed the turf is thinning due to shade.
- I noticed some bare/very thin areas in the lawn today.
- I noticed your lawn quality and health would be improved by an aeration with overseeding service.
- I noticed common weeds in your lawn today.

WHAT I RECOMMEND

- Please limit the activity in this area to promote recovery. Aeration is recommended to reduce compaction.
- Pruning your trees will help allow more sunlight to reach the grass and help it grow. Be sure to plant a shade tolerant grass.
- I recommend waiting until the fall when seeding establishment is more successful. In the meantime, we will control the weeds and feed your lawn to build its health and color.
- Aeration & overseeding will help with compaction, thatch & lawn quality; allowing water & nutrients to reach the roots. Seed improves turf density.
- Today's treatment will control your lawn weeds.

- Stay off of areas until treatment has dried.

- Thank you for choosing TruGreen. It was a pleasure to serve you today.
- Please chat with us using your TruGreen mobile app or access your account on TruGreen.com 24 hours a day if you have any questions or other concerns. Thank you for choosing us.

	PRODUCTS APPLIED		TOTAL VOLUME	SQFT
	BROADLEAF WEED CONTROL		12.50 GAL	50000
METHOD:	Spray, 0.25 GAL/1000 SQFT			
AREAS:	Where Needed			
PRODUCTS:	CHANGE UP (MCPA,FLUROXYPYR,DICAMBA) EPA# 228-445			
		45.9148 FLOZ at 0.9183 FLOZ/1000 SQFT		
	RATE:	0.9183 FLOZ/1000 SQFT		
	APPLIED AMT:	45.9148 FLOZ		
	25-0-5 50% AMMONIUM SULFATE		600.00 LB	200000
METHOD:	Spread, 3.00 LB/1000 SQFT			
AREAS:	Entire Area			
PRODUCTS:	25-0-5 50% AS (NITROGEN,POTASSIUM) EPA#			
		600.0000 LB at 3.0000 LB/1000 SQFT		
	RATE:	3.0000 LB/1000 SQFT		
	APPLIED AMT:	600.0000 LB		

Copies of product labels are available upon request.

Thank you for your business!

Please note: This is not an invoice. For billing questions, please call 1-866-TRUGREEN.

5991 - APPLETON, WI
2015 W SPENCER ST
APPLETON, WI, 54914
(920)734-4198

Master Form #:

Work order #: WO5368521106

CUSTOMER SERVICE INFORMATION

FOX VALLEY POP WARNER FOOTBALL
5991-7005319917-L#
1375 E BROADWAY DR
APPLETON, WI, 54913
HOME:

SPECIALIST INFORMATION

TRUCK ID: 110251
SPECIALIST: 47302-MICHAEL ALLEN
LICENSE #: 315552CA 315552 315552

CUSTOMER BILLING INFORMATION

FOX VALLEY POP WARNER FOOTBALL
PO BOX 943
APPLETON, WI, 54912
HOME:

CONDITIONS

START:
TEMP: 30 ° F
WIND: 8.1 MPH WSW

TODAY'S SERVICE	DESCRIPTION	PROPERTY SQFT	DATE	TIME
Customized Lawn Plan	Lawn Service	27000 sqft	4/22/2023	6:25 AM - 7:33 AM

COMMENTS

- Thank you for choosing us to care for your property.

WHAT I DID AND WHAT TO EXPECT

- Today, I applied preemergent crabgrass control. This will help prevent annual grasses and other weeds from becoming a problem throughout the growing season.
- Today I applied a high nitrogen fertilizer. This application is beneficial to your lawn because the ground is still warm which will promote root growth, extend green color this fall and increase turf density resulting in a better looking lawn next year. NC: 25-0-5 .75 lb N Guaranteed Analysis: Total Nitrogen (N) 25%. Soluble Potash 5%. Derived from Urea, potassium chloride.

WHAT I NOTICED

- I noticed the new grass seed and did not apply any material that would affect germination.

WHAT I RECOMMEND

- I applied fertilizer to help the new seeds to grow. I did not apply weed control in these areas to prevent damage to the new seedlings.

- Stay off of areas until treatment has dried.

- Thank you for choosing TruGreen. It was a pleasure to serve you today.
- Please chat with us using your TruGreen mobile app or access your account on TruGreen.com 24 hours a day if you have any questions or other concerns. Thank you for choosing us.

	PRODUCTS APPLIED	TOTAL VOLUME	SQFT
	PREEMERGENT WEED CONTROL (HERBICIDE)	12.15 GAL	24300
METHOD:	Spray, 0.50 GAL/1000 SQFT		
AREAS:	Where Needed		
PRODUCTS:			

	BARRICADE 4FL (PRODIAMINE) EPA# 100-1139		
	8.9245 FLOZ at 0.3673 FLOZ/1000 SQFT		
	RATE: 0.3673 FLOZ/1000 SQFT		
	APPLIED AMT: 8.9245 FLOZ		
	GRANULAR FERTILIZER	81.00 LB	27000
METHOD:	Spread, 3.00 LB/1000 SQFT		
AREAS:	Entire Area		
PRODUCTS:	25-0-5 (NITROGEN,POTASSIUM) EPA#		
	81.0000 LB at 3.0000 LB/1000 SQFT		
	RATE: 3.0000 LB/1000 SQFT		
	APPLIED AMT: 81.0000 LB		

PRECAUTIONS

Do not allow reentry into treated areas until dust has settled and the turfgrass or soil is dry.

Copies of product labels are available upon request.

Thank you for your business!

Please note: This is not an invoice. For billing questions, please call 1-866-TRUGREEN.

TRUGREEN COMMERCIAL

5991 - APPLETON, WI
2015 W SPENCER ST
APPLETON, WI, 54914
(920)734-4198

Master Form #:

Work order #: WO5455794852

CUSTOMER SERVICE INFORMATION

FOX VALLEY POP WARNER FOOTBALL
5991-7005319917-L#
1375 E BROADWAY DR
APPLETON, WI, 54913
HOME: (920)831-8100

SPECIALIST INFORMATION

TRUCK ID: 216206
SPECIALIST: 109514-JOSEPH TINAJERO
LICENSE #: 491142

CUSTOMER BILLING INFORMATION

FOX VALLEY POP WARNER FOOTBALL
PO BOX 943
APPLETON, WI, 54912
HOME:

CONDITIONS

START:
TEMP: 61 ° F
WIND: 0 MPH North

TODAY'S SERVICE	DESCRIPTION	PROPERTY SQFT	DATE	TIME
Customized Lawn Plan	Lawn Service	27000 sqft	5/30/2023	6:12 AM - 8:48 AM

COMMENTS

- Thank you for choosing us to care for your property.

WHAT I DID AND WHAT TO EXPECT

- Today I applied a high nitrogen fertilizer. This application is beneficial to your lawn because the ground is still warm which will promote root growth, extend green color this fall and increase turf density resulting in a better looking lawn next year. NC: 25-0-5 .75 lb N Guaranteed Analysis: Total Nitrogen (N) 25%. Soluble Potash 5%. Derived from Urea, potassium chloride.
- Today, I treated for broadleaf weeds in your lawn. You should see weeds begin to decline in 7 - 21 days. For best results avoid mowing for 24 hours.

- Thank you for choosing TruGreen. It was a pleasure to serve you today.

	PRODUCTS APPLIED	TOTAL VOLUME	SQFT
	GRANULAR FERTILIZER	81.00 LB	27000
METHOD:	Spread, 3.00 LB/1000 SQFT		
AREAS:	Entire Area		
PRODUCTS:	25-0-5 (NITROGEN,POTASSIUM) EPA#		
	81.0000 LB at 3.0000 LB/1000 SQFT		
	RATE: 3.0000 LB/1000 SQFT		
	APPLIED AMT: 81.0000 LB		
	TRUPOWER 3	6.75 GAL	27000
METHOD:	Spray, 0.25 GAL/1000 SQFT		
AREAS:	Entire Area		
PRODUCTS:	TRUPOWER 3 (2,4-D,MECOPROP-P,DICAMBA) EPA# 228-551		
	32.2311 FLOZ at 1.1937 FLOZ/1000 SQFT		
	RATE: 1.1937 FLOZ/1000 SQFT		
	APPLIED AMT: 32.2311 FLOZ		

PRECAUTIONS

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

Copies of product labels are available upon request.

Thank you for your business!

Please note: This is not an invoice. For billing questions, please call 1-866-TRUGREEN.

TRUGREEN COMMERCIAL

5991 - APPLETON, WI
2015 W SPENCER ST
APPLETON, WI, 54914
(920)734-4198

Master Form #:

Work order #: WO5581037657

CUSTOMER SERVICE INFORMATION

FOX VALLEY POP WARNER FOOTBALL
5991-7005319917-L#
1375 E BROADWAY DR
APPLETON, WI, 54913
HOME: (920)831-8100

SPECIALIST INFORMATION

TRUCK ID: 216206
SPECIALIST: 109514-JOSEPH TINAJERO
LICENSE #: 491142

CUSTOMER BILLING INFORMATION

FOX VALLEY POP WARNER FOOTBALL
PO BOX 943
APPLETON, WI, 54912
HOME:

CONDITIONS

START:
TEMP: 61 ° F
WIND: 6.9 MPH SSW

TODAY'S SERVICE	DESCRIPTION	PROPERTY SQFT	DATE	TIME
Customized Lawn Plan	Lawn Service	27000 sqft	6/28/2023	6:23 AM - 8:51 AM

COMMENTS

- Thank you for choosing us to care for your property.

WHAT I DID AND WHAT TO EXPECT

- Today I applied a high nitrogen fertilizer. This application is beneficial to your lawn because the ground is still warm which will promote root growth, extend green color this fall and increase turf density resulting in a better looking lawn next year. NC: 25-0-5 .75 lb N Guaranteed Analysis: Total Nitrogen (N) 25%. Soluble Potash 5%. Derived from Urea, potassium chloride.
- Today, I treated for broadleaf weeds in your lawn. You should see weeds begin to decline in 7 - 21 days. For best results avoid mowing for 24 hours.

- Thank you for choosing TruGreen. It was a pleasure to serve you today.

	PRODUCTS APPLIED	TOTAL VOLUME	SQFT
	GRANULAR FERTILIZER	81.00 LB	27000
METHOD:	Spread, 3.00 LB/1000 SQFT		
AREAS:	Entire Area		
PRODUCTS:	25-0-5 (NITROGEN,POTASSIUM) EPA#		
	81.0000 LB at 3.0000 LB/1000 SQFT		
	RATE: 3.0000 LB/1000 SQFT		
	APPLIED AMT: 81.0000 LB		
	TRUPOWER 3	1.69 GAL	6750
METHOD:	Spray, 0.25 GAL/1000 SQFT		
AREAS:	Where Needed		
PRODUCTS:	TRUPOWER 3 (2,4-D,MECOPROP-P,DICAMBA) EPA# 228-551		
	8.0578 FLOZ at 1.1937 FLOZ/1000 SQFT		
	RATE: 1.1937 FLOZ/1000 SQFT		
	APPLIED AMT: 8.0578 FLOZ		

PRECAUTIONS

Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

Copies of product labels are available upon request.

Thank you for your business!

Please note: This is not an invoice. For billing questions, please call 1-866-TRUGREEN.

TRUGREEN COMMERCIAL

5991 - APPLETON, WI
2015 W SPENCER ST
APPLETON, WI, 54914
(920)734-4198

Master Form #:

Work order #: WO5655098894

CUSTOMER SERVICE INFORMATION

FOX VALLEY POP WARNER FOOTBALL
5991-7005319917-L#
1375 E BROADWAY DR
APPLETON, WI, 54913
HOME: (920)831-8100

SPECIALIST INFORMATION

TRUCK ID: 216220
SPECIALIST: 40706-WILLIAM NOLTE
LICENSE #: 313280CA 313280

CUSTOMER BILLING INFORMATION

FOX VALLEY POP WARNER FOOTBALL
PO BOX 943
APPLETON, WI, 54912
HOME:

CONDITIONS

START:
TEMP: 77 ° F
WIND: 8 MPH East

TODAY'S SERVICE	DESCRIPTION	PROPERTY SQFT	DATE	TIME
Customized Lawn Plan	Lawn Service	27000 sqft	7/26/2023	2:16 PM - 2:48 PM

COMMENTS

- Thank you for choosing us to care for your property.

WHAT I DID AND WHAT TO EXPECT

- Today I applied a high nitrogen fertilizer. This application is beneficial to your lawn because the ground is still warm which will promote root growth, extend green color this fall and increase turf density resulting in a better looking lawn next year. NC: 25-0-5 .75 lb N Guaranteed Analysis: Total Nitrogen (N) 25%. Soluble Potash 5%. Derived from Urea, potassium chloride.
- Today, I treated for broadleaf weeds in your lawn. You should see weeds begin to decline in 7 - 21 days. For best results avoid mowing for 24 hours.

- Thank you for choosing TruGreen. It was a pleasure to serve you today.
- Please chat with us using your TruGreen mobile app or access your account on TruGreen.com 24 hours a day if you have any questions or other concerns. Thank you for choosing us.

	PRODUCTS APPLIED	TOTAL VOLUME	SQFT
	GRANULAR FERTILIZER	81.00 LB	27000
METHOD:	Spread, 3.00 LB/1000 SQFT		
AREAS:	Entire Area		
PRODUCTS:	25-0-5 (NITROGEN,POTASSIUM) EPA#		
	81.0000 LB at 3.0000 LB/1000 SQFT		
	RATE: 3.0000 LB/1000 SQFT		
	APPLIED AMT: 81.0000 LB		
	BROADLEAF WEED CONTROL	5.06 GAL	20250
METHOD:	Spray, 0.25 GAL/1000 SQFT		
AREAS:	Where Needed		
PRODUCTS:	CHANGE UP (MCPA,FLUROXYPYR,DICAMBA) EPA# 228-445		
	18.5955 FLOZ at 0.9183 FLOZ/1000 SQFT		
	RATE: 0.9183 FLOZ/1000 SQFT		
	APPLIED AMT: 18.5955 FLOZ		

Copies of product labels are available upon request.

Thank you for your business!

Please note: This is not an invoice. For billing questions, please call 1-866-TRUGREEN.

TRUGREEN COMMERCIAL

5991 - APPLETON, WI
2015 W SPENCER ST
APPLETON, WI, 54914
(920)734-4198

Master Form #:

Work order #: WO5742396817

CUSTOMER SERVICE INFORMATION

FOX VALLEY POP WARNER FOOTBALL
5991-7005319917-L#
1375 E BROADWAY DR
APPLETON, WI, 54913
HOME: (920)831-8100

SPECIALIST INFORMATION

TRUCK ID: 216206
SPECIALIST: 109514-JOSEPH TINAJERO
LICENSE #: 491142

CUSTOMER BILLING INFORMATION

FOX VALLEY POP WARNER FOOTBALL
PO BOX 943
APPLETON, WI, 54912
HOME:

CONDITIONS

START:
TEMP: 50 ° F
WIND: 6.9 MPH North

TODAY'S SERVICE	DESCRIPTION	PROPERTY SQFT	DATE	TIME
Customized Lawn Plan	Lawn Service	27000 sqft	8/30/2023	6:15 AM - 8:36 AM

COMMENTS

- Thank you for choosing us to care for your property.

WHAT I DID AND WHAT TO EXPECT

- Today I applied a high nitrogen fertilizer. This application is beneficial to your lawn because the ground is still warm which will promote root growth, extend green color this fall and increase turf density resulting in a better looking lawn next year. NC: 25-0-5 .75 lb N Guaranteed Analysis: Total Nitrogen (N) 25%. Soluble Potash 5%. Derived from Urea, potassium chloride.
- Today, I treated for broadleaf weeds in your lawn. You should see weeds begin to decline in 7 - 21 days. For best results avoid mowing for 24 hours.

- Thank you for choosing TruGreen. It was a pleasure to serve you today.

	PRODUCTS APPLIED	TOTAL VOLUME	SQFT
	GRANULAR FERTILIZER	81.00 LB	27000
METHOD:	Spread, 3.00 LB/1000 SQFT		
AREAS:	Entire Area		
PRODUCTS:	25-0-5 (NITROGEN,POTASSIUM) EPA#		
	81.0000 LB at 3.0000 LB/1000 SQFT		
	RATE: 3.0000 LB/1000 SQFT		
	APPLIED AMT: 81.0000 LB		
	BROADLEAF WEED CONTROL	1.69 GAL	6750
METHOD:	Spray, 0.25 GAL/1000 SQFT		
AREAS:	Where Needed		
PRODUCTS:	CHANGE UP (MCPA,FLUROXYPYR,DICAMBA) EPA# 228-445		
	6.1985 FLOZ at 0.9183 FLOZ/1000 SQFT		
	RATE: 0.9183 FLOZ/1000 SQFT		
	APPLIED AMT: 6.1985 FLOZ		

Copies of product labels are available upon request.

Thank you for your business!

Please note: This is not an invoice. For billing questions, please call 1-866-TRUGREEN.

Spruce It Up Lawn Maintenance
P.O. Box 1001
Freedom, WI 54131
920-213-0470

COPY

Customer: Grand Chute Baseball

Address: 1835 E. Edgewood
Appleton

Field #1 Plamann

Date: 4-21-23

Lawn Treatment

X **1. Spring Application** -A custom-blended fertilizer designed to replenish **depleted** nutrients from winter stress as well as a pre-emergent to prevent crabgrass from germinating.
Granular Fertilizer: Nitrogen 13 % Phosphorus 0 % Potash 0 % with .10 Dimension
Crabgrass Control. EPA #62719-486-41124 Applied at 3.5 lbs per 1000 sq ft. Total lbs Applied: 113.75

___ **2. Early Summer Application** – A Fertilizer designed to maintain color and enhance plant development and growth. Additionally, a broadleaf weed control used to treat emerging weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA #_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____**3-4 pints of** Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **3. Summer Application** – A slow-release, non burning granular fertilizer is used to maintain color and proper nutrition. Also, Spot treatment of any broadleaf weeds we see.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA # _____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Spot Treatment of Broadleaf Weeds- _____3-4 pints Spray Concentrate per acre
EPA #_____

___ **4. Early Fall Application-** A Fertilizer treatment designed to help restore the health and vigor of your lawn following the summer stress. Additionally, a broadleaf weed control used to treat weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____Total Gallons of Spray Mix Used_____

___ **5. Late Fall Application** – A Fertilizer specifically blended to promote fall root development and Nutrient storage for winter survival.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

___ **6.Broadleaf Weed Control Application-**A broadcast spray was applied to the lawn to kill unwanted broadleaf weeds.
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **7. Other Application:** _____

_____

Technician: Chad Kovtz **Technician Number:** 223698
Time In: 7:30 am **Time Out:** 8:10 am
Remarks/Recommendations: _____

-Please Stay off lawn for 3-4 hours or until dry and do not mow for 24 hours if Broadleaf weed control has been applied.
-Copy of Fertilizer or Pesticide labels are available upon request.
-If you have any questions on todays service, please call our office at (920) 213-0470.

Spruce It Up Lawn Maintenance
P.O. Box 1001
Freedom, WI 54131
920-213-0470

Customer: Grand Chute Baseball

Address: 1835 E. Edgewood Appleton

COPY

Date: 4-21-23

Field #2 Plamann

Lawn Treatment

X **1. Spring Application** -A custom-blended fertilizer designed to replenish depleted nutrients from winter stress as well as a pre-emergent to prevent crabgrass from germinating.
Granular Fertilizer: Nitrogen 13 % Phosphorus 0 % Potash 0 % with .10 Dimension
Crabgrass Control. EPA #62719-486-41124 Applied at 3.5 lbs per 1000 sq ft. Total lbs Applied: 183.75

___ **2. Early Summer Application** – A Fertilizer designed to maintain color and enhance plant development and growth. Additionally, a broadleaf weed control used to treat emerging weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA #_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **3. Summer Application** – A slow-release, non burning granular fertilizer is used to maintain color and proper nutrition. Also, Spot treatment of any broadleaf weeds we see.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA # _____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Spot Treatment of Broadleaf Weeds- _____3-4 pints Spray Concentrate per acre
EPA #_____

___ **4. Early Fall Application-** A Fertilizer treatment designed to help restore the health and vigor of your lawn following the summer stress. Additionally, a broadleaf weed control used to treat weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____Total Gallons of Spray Mix Used_____

___ **5. Late Fall Application** – A Fertilizer specifically blended to promote fall root development and Nutrient storage for winter survival.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

___ **6.Broadleaf Weed Control Application**-A broadcast spray was applied to the lawn to kill unwanted broadleaf weeds.
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **7. Other Application:** _____

Technician: Chad Kovtz **Technician Number:** 223698
Time In: 8:10 am **Time Out:** 9:00 am
Remarks/Recommendations: _____

-Please Stay off lawn for 3-4 hours or until dry and do not mow for 24 hours if Broadleaf weed control has been applied.
-Copy of Fertilizer or Pesticide labels are available upon request.
-If you have any questions on todays service, please call our office at (920) 213-0470.

Spruce It Up Lawn Maintenance
P.O. Box 1001
Freedom, WI 54131
920-213-0470

Customer: Grand Chute Baseball
Address: 1835 E. Edgewood
Appleton

COPY

Date: 4-21-23

Field #6 Plamann

Lawn Treatment

(X) **1. Spring Application** -A custom-blended fertilizer designed to replenish **depleted** nutrients from winter stress as well as a pre-emergent to prevent crabgrass from germinating.
Granular Fertilizer: Nitrogen 13 % Phosphorus 0 % Potash 0 % with .10 Dimension
Crabgrass Control. EPA #62719-486-41124 Applied at 3.5 lbs per 1000 sq ft. Total lbs Applied: 161

___ **2. Early Summer Application** – A Fertilizer designed to maintain color and enhance plant development and growth. Additionally, a broadleaf weed control used to treat emerging weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA #_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 **pints of** Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **3. Summer Application** – A slow-release, non burning granular fertilizer is used to maintain color and proper nutrition. Also, Spot treatment of any broadleaf weeds we see.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA # _____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Spot Treatment of Broadleaf Weeds- _____3-4 pints Spray Concentrate per acre
EPA #_____

___ **4. Early Fall Application-** A Fertilizer treatment designed to help restore the health and vigor of your lawn following the summer stress. Additionally, a broadleaf weed control used to treat weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____Total Gallons of Spray Mix Used_____

___ **5. Late Fall Application** – A Fertilizer specifically blended to promote fall root development and Nutrient storage for winter survival.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

___ **6.Broadleaf Weed Control Application**-A broadcast spray was applied to the lawn to kill unwanted broadleaf weeds.
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **7. Other Application**: _____

Technician: Chad Kovtz **Technician Number:** 223698
Time In: 9:00 am **Time Out:** 9:35 am
Remarks/Recommendations:

-Please Stay off lawn for 3-4 hours or until dry and do not mow for 24 hours if Broadleaf weed control has been applied.
-Copy of Fertilizer or Pesticide labels are available upon request.
-If you have any questions on todays service, please call our office at (920) 213-0470.

Spruce It Up Lawn Maintenance
P.O. Box 1001
Freedom, WI 54131
920-213-0470

Customer: Grand Chute Baseball
Address: 1835 E. Edgewood
Appleton

COPY

Date: 5-26-23

Lawn Treatment

Field #1 Plamann

___ **1. Spring Application** -A custom-blended fertilizer designed to replenish **depleted** nutrients from winter stress as well as a pre-emergent to prevent crabgrass from germinating.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% with .10 Dimension
Crabgrass Control. EPA #_____Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

1 **2. Early Summer Application** – A Fertilizer designed to maintain color and enhance plant development and growth.
Additionally, a broadleaf weed control used to treat emerging weeds.
Granular Fertilizer: Nitrogen 20 % Phosphorus 0 % Potash 4 % EPA # N/A
Applied at 3.5 lbs per 1000 sq ft. Total lbs Applied: 113.75
Liquid Spray used for Broadleaf Weed Control- Vessel 3-4 pints of Spray Concentrate per acre.
EPA #2217-656-72112 Total Gallons of Spray Mix Used 6 gall

___ **3. Summer Application** – A slow-release, non burning granular fertilizer is used to maintain color and proper nutrition.
Also, Spot treatment of any broadleaf weeds we see.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA # _____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Spot Treatment of Broadleaf Weeds- _____3-4 pints Spray Concentrate per acre
EPA #_____

____ **4. Early Fall Application-** A Fertilizer treatment designed to help restore the health and vigor of your lawn following the summer stress. Additionally, a broadleaf weed control used to treat weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____Total Gallons of Spray Mix Used_____

____ **5. Late Fall Application** – A Fertilizer specifically blended to promote fall root development and Nutrient storage for winter survival.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

____ **6.Broadleaf Weed Control Application-**A broadcast spray was applied to the lawn to kill unwanted broadleaf weeds.
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **7. Other Application:** _____

_____

Technician: Chad Kantz **Technician Number:** 223698
Time In: 7:10 am **Time Out:** 8:00 am
Remarks/Recommendations: _____

-Please Stay off lawn for 3-4 hours or until dry and do not mow for 24 hours if Broadleaf weed control has been applied.
-Copy of Fertilizer or Pesticide labels are available upon request.
-If you have any questions on todays service, please call our office at (920) 213-0470.

Spruce It Up Lawn Maintenance
P.O. Box 1001
Freedom, WI 54131
920-213-0470

Customer: Grand Chute Baseball

Address: 1835 E Edgewood
Appleton

COPY

Date: 5-26-23

Lawn Treatment

Field # 2 Plamann

___ **1. Spring Application** -A custom-blended fertilizer designed to replenish **depleted** nutrients from winter stress as well as a pre-emergent to prevent crabgrass from germinating.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% with .10 Dimension
Crabgrass Control. EPA #_____Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

1 **2. Early Summer Application** – A Fertilizer designed to maintain color and enhance plant development and growth.
Additionally, a broadleaf weed control used to treat emerging weeds.
Granular Fertilizer: Nitrogen 20 % Phosphorus 0 % Potash 4 % EPA # N/A
Applied at 3.5 lbs per 1000 sq ft. Total lbs Applied: 18
Liquid Spray used for Broadleaf Weed Control- Vessel 3-4 pints of Spray Concentrate per acre.
EPA #2217-656-72112 Total Gallons of Spray Mix Used 25 gal

___ **3. Summer Application** – A slow-release, non burning granular fertilizer is used to maintain color and proper nutrition.
Also, Spot treatment of any broadleaf weeds we see.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA # _____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Spot Treatment of Broadleaf Weeds- _____3-4 pints Spray Concentrate per acre
EPA #_____

____ **4. Early Fall Application-** A Fertilizer treatment designed to help restore the health and vigor of your lawn following the summer stress. Additionally, a broadleaf weed control used to treat weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____Total Gallons of Spray Mix Used_____

____ **5. Late Fall Application** – A Fertilizer specifically blended to promote fall root development and Nutrient storage for winter survival.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

____ **6.Broadleaf Weed Control Application-**A broadcast spray was applied to the lawn to kill unwanted broadleaf weeds.
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___ **7. Other Application:** _____

_____

Technician: Chad Kantz **Technician Number:** 223698
Time In: 8:00 am **Time Out:** 9:15 am
Remarks/Recommendations: _____

-Please Stay off lawn for 3-4 hours or until dry and do not mow for 24 hours if Broadleaf weed control has been applied.
-Copy of Fertilizer or Pesticide labels are available upon request.
-If you have any questions on todays service, please call our office at (920) 213-0470.

Spruce It Up Lawn Maintenance
P.O. Box 1001
Freedom, WI 54131
920-213-0470

Customer: Grand Chute Baseball

Address: 1835 E. Edgewood
Appleton

COPY

Date: 5-26-23

Field #6 Plamann

Lawn Treatment

___ **1. Spring Application** -A custom-blended fertilizer designed to replenish depleted nutrients from winter stress as well as a pre-emergent to prevent crabgrass from germinating.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% with .10 Dimension
Crabgrass Control. EPA #_____Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

1 **2. Early Summer Application** – A Fertilizer designed to maintain color and enhance plant development and growth.
Additionally, a broadleaf weed control used to treat emerging weeds.
Granular Fertilizer: Nitrogen 20 % Phosphorus 0 % Potash 4 % EPA # N/A
Applied at 3.5 lbs per 1000 sq ft. Total lbs Applied: 161
Liquid Spray used for Broadleaf Weed Control- Vessel 3-4 pints of Spray Concentrate per acre.
EPA #2217-656-72112 Total Gallons of Spray Mix Used 21 gal

___ **3. Summer Application** – A slow-release, non burning granular fertilizer is used to maintain color and proper nutrition.
Also, Spot treatment of any broadleaf weeds we see.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA # _____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Spot Treatment of Broadleaf Weeds- _____3-4 pints Spray Concentrate per acre
EPA #_____

____**4. Early Fall Application-** A Fertilizer treatment designed to help restore the health and vigor of your lawn following the summer stress. Additionally, a broadleaf weed control used to treat weeds.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____Total Gallons of Spray Mix Used_____

____**5. Late Fall Application** – A Fertilizer specifically blended to promote fall root development and Nutrient storage for winter survival.
Granular Fertilizer: Nitrogen _____% Phosphorus_____% Potash_____% EPA#_____
Applied at _____lbs per 1000 sq ft. Total lbs Applied:_____

____**6.Broadleaf Weed Control Application**-A broadcast spray was applied to the lawn to kill unwanted broadleaf weeds.
Liquid Spray used for Broadleaf Weed Control- _____3-4 pints of Spray Concentrate per acre.
EPA #_____ Total Gallons of Spray Mix Used_____

___**7. Other Application**: _____

_____

Technician: Chad Kantz **Technician Number:** 223698
Time In: 9:15 am **Time Out:** 10:10 am
Remarks/Recommendations: _____

-Please Stay off lawn for 3-4 hours or until dry and do not mow for 24 hours if Broadleaf weed control has been applied.
-Copy of Fertilizer or Pesticide labels are available upon request.
-If you have any questions on todays service, please call our office at (920) 213-0470.

COLLECTION DATES

BY APPOINTMENT ONLY!

RecycleMoreOutagamie.org/appointments/

OR call 920-832-5277

WEDNESDAYS:

May 10	June 07	July 12
Aug 09	Sept 13	Oct 04

SATURDAYS:

May 13	June 10	July 15
Aug 12	Sept 16	Oct 07

Hazardous Materials from Businesses must be taken to the Brown County Hazardous Material Facility by appointment only.

Brown County Hazardous Material Facility
2561 S Broadway
Green Bay, WI 54304
920-492-4950
BrownCountyRecycling.org

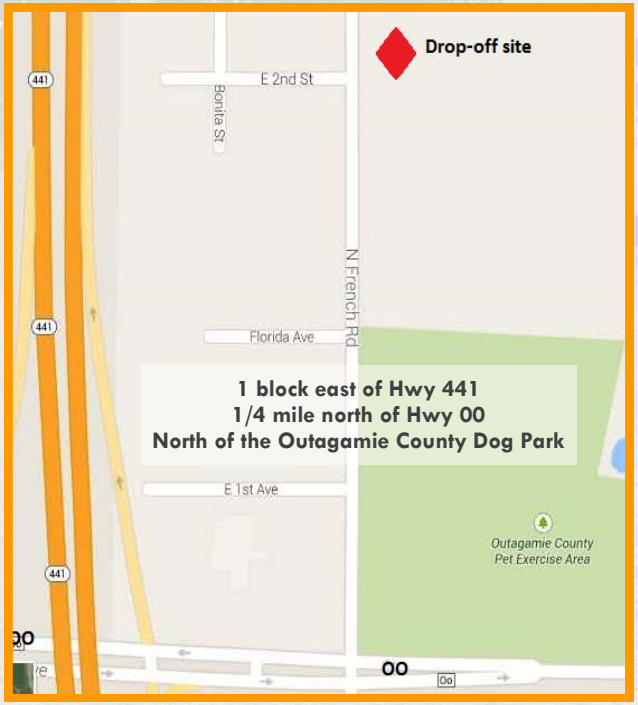
Visit their website or call for their hours of operation and other operational information.

DIRECTIONS

1. Drivers must remain in vehicles.
2. Materials must be brought in boxes or containers. No loose materials will be collected.
3. A maximum of 3 medium sized boxes will be collected.
4. No containers over 5 gallons.
5. No trailer or full truck bed sized loads.
6. Materials must be in trunk, lift gate, or truck bed. No materials will be collected from front or back seats.

HHW collections are NOT at the Landfill!

3414 N French Rd
Appleton, WI 54911



Outagamie County
RECYCLING & SOLID WASTE

2023 HAZARDOUS MATERIALS COLLECTIONS

BY APPOINTMENT ONLY!

Scan QR code below to schedule online at RecycleMoreOutagamie.org/appointments/ OR call 920-832-5277

Follow us on Facebook!
facebook.com/OutagamieCountyRecycling/

Hazardous materials pose a threat to human health and the environment. These materials are flammable, poisonous, corrosive or reactive.

This collection program allows Outagamie County residents, including all citizens of Appleton and New London, to dispose of their hazardous materials safely and properly, FREE of charge!



Latex Paint is NOT HAZARDOUS!

OK to bring in to our Resource Recovery Park during normal business hours.



ACCEPTABLE MATERIALS

Including but not limited to...

Flammable Liquids:

Materials marked with an (*) can also be brought to the Outagamie County Drop-off free of charge during business hours.

Gasoline **(WILL NOT POUR OUT - MUST LEAVE CONTAINER!)**

Kerosene *Motor Oil *Vehicle Batteries

*1 Pound Propane Tanks Car Chemicals

Aerosol Cans: Spray Paints

Paint Products: **NO LATEX PAINT!**

Oil-based Paints Lead-based Paints

Paint Thinners/Strippers Varnish/Stain

Pesticides/Herbicides/Insecticides:

Weed Killers Poisons

Acids & Bases:

Muriatic Acid Lime Out

Rust Remover Ammonia

Floor Cleaner Drain Cleaner

Pool Chemicals Toxic Household Cleaners

Mercury **Fire Extinguisher**

RecycleMoreOutagamie.org/appointments/



UNACCEPTABLE MATERIALS

Latex Paint

Batteries & Light Bulbs

Appliances & Electronics

Smoke Detectors Return to Manufacturer

Explosives

Ammunition, Black Powder, Fireworks, Flares

Biological Waste & Sharps

Medications & Pharmaceuticals

Infectious Waste

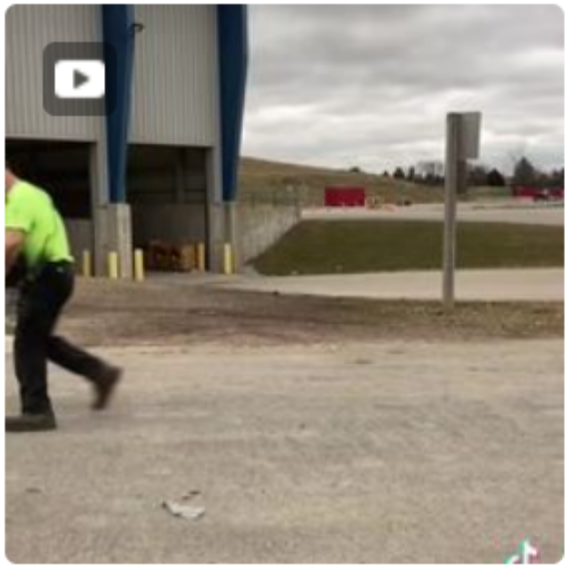
Radioactive Materials

Trash

2023 HHW Summary

Date	Location	Participants	HHW Pounds	Pounds/ Person	Disposal Cost	BC Labor	OC Labor	Education/ads	Total	Cost/ Pound	Cost/ Person
14-Apr	Shiocton	10	1,425	142.50	$ 4,035.98	$ -		$ -	$ 4,035.98	2.832266667	$ 403.60
5/10 & 5/13	R&SW	138	8,683	62.92	$ 16,425.38	$ -		$ -	$ 16,425.38	1.891671081	$ 119.02
6/7 & 6/10	R&SW	145	9,010	62.14	$ 17,212.63	$ -		$ -	$ 17,212.63	1.910391787	$ 118.71
7/12 & 7/15	R&SW	137	10,013	92.71	$ 15,629.04	$ -		$ -	$ 15,629.04	1.560874863	$ 114.08
8/9 & 8/12	R&SW	135	9,957	73.76	$ 14,592.32	$ -		$ -	$ 14,592.32	1.465533795	$ 108.09
9/13 & 9/16	R&SW	130	8,372	64.40	$ 14,413.73	$ -		$ -	$ 14,413.73	1.721659102	$ 110.87
10/4 & 10/7	R&SW	134	10,019	74.77	$ 16,354.68	$ -		$ -	$ 16,354.68	1.632366504	$ 122.05
	sub total	**695**	**47,460**	**68.29**	**$ 82,309.08**	**$ -**	**$ -**	**$ -**	**$ 82,309.08**	**$ 1.73**	**$ 118.43**
1st Qtr Dropoffs	Brown County	50	4,217	84.34	$ 4,850.10	$ -	$ -	$ -	$ 4,850.10	1.150130424	$ 97.00
2nd Qtr Dropoffs	Brown County	27	1,734	64.22	$ 1,988.65	$ -	$ -	$ -	$ 1,988.65	1.146856978	$ 73.65
3rd Qtr Dropoffs	Brown County	21	1,652	78.67	$ 2,065.00	$ -	$ -	$ -	$ 2,065.00	1.25	$ 98.33
4th Qtr Dropoffs	Brown County	45	2,044	45.42	$ 2,555.00	$ -	$ -	$ -	$ 2,555.00	1.25	$ 56.78
	sub total	**143**	**9,647**	**67.46**	**$ 11,458.75**				**$ 11,458.75**	**$ 1.19**	**$ 80.13**
OC TOTALS	**OC TOTALS**	**838**	**57,107**	**68.15**	**$ 93,767.83**	**$ -**	**$ -**	**$ -**	**$ 93,767.83**	**$ 1.64**	**$ 111.89**

Tri County Clean Sweep	Location	Participants	Total lbs	lbs/person	After Grant	N/A	In Kind	Exp Wksheet	Total Costs	$/lb	$/person
	Clayton/Menasha/Harrison			#DIV/0!		N/A			$ -	#DIV/0!	#DIV/0!



Boost post

...

Avoid creating a holiday disaster this season! NEVER place stri...

December 13, 2023 at 11:08 AM

ID: 758248719681558

Interactions

3,363 reactions | 327 comments | 553 shares

Overview | Performance | Feed preview

Performance

Reach

Total
852,806

Organic	852,806 (100%)
Paid	0 (0%)

Engagements

Reactions
3,363

Comments	327
Shares	553

View details

Negative interactions

Total
83

Unique	83



Boost post

Did you know that properly disposing of Freon appliances, like ...

July 6, 2023 at 10:58 AM

ID: 667204382119326

Interactions

23 reactions | 3 comments | 5 shares

Overview | Performance | Feed preview

Performance

Reach

Total
749

Organic	749 (100%)
Paid	0 (0%)

Engagements

Reactions
23

Comments	3
Shares	5

View details

Negative interactions

Total
0

Unique	0



Boost post

DO NOT DISPOSE OF BATTERIES IN YOUR RECYCLING ...

June 8, 2023 at 11:00 AM

ID: 649908850515546

Interactions

24 reactions | 0 comments | 15 shares

Overview | Performance | Feed preview

Performance

Reach

Total
1,294

Organic	1,294 (100%)
Paid	0 (0%)

Engagements

Reactions
24

Comments	0
Shares	15

View details

Negative interactions

Total
1

Unique	1



Boost post

Hey there, eco-conscious community! 👏 We've got a little less...

August 10, 2023 at 11:30 AM

ID: 687102970129467

Interactions

31 reactions | 6 comments | 9 shares

Overview | Performance | Feed preview

Performance

Reach

Total
2,753

Organic	2,753 (100%)
Paid	0 (0%)

Engagements

Reactions
31

Comments	6
Shares	9

View details

Negative interactions

Total
0

Unique	0