

Beggs, Tauren R - DNR

From: Beggs, Tauren R - DNR
Sent: Friday, January 19, 2024 1:14 PM
To: Cull, Whitney
Cc: Byers, Harris; Knapke, Eric; Adam Tegen
Subject: RE: REVISED Construction Documentation Reports – River Point Drive & Buffalo Street, Manitowoc, WI

Thanks Whitney

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Tauren R. Beggs

Phone: (920) 510-3472

Tauren.Beggs@wisconsin.gov (preferred contact method during work at home)

From: Knapke, Eric <Knapke.Eric@epa.gov>
Sent: Friday, January 19, 2024 12:51 PM
To: Cull, Whitney <Whitney.Cull@stantec.com>; Adam Tegen <ategen@manitowoc.org>; Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Cc: Byers, Harris <Harris.Byers@stantec.com>
Subject: RE: REVISED Construction Documentation Reports – River Point Drive & Buffalo Street, Manitowoc, WI

Thanks for the clarification. I have saved these to the appropriate grant files.

Thanks,
Eric

From: Cull, Whitney <Whitney.Cull@stantec.com>
Sent: Friday, January 19, 2024 11:22 AM
To: Knapke, Eric <Knapke.Eric@epa.gov>; Adam Tegen <ategen@manitowoc.org>; Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Cc: Byers, Harris <Harris.Byers@stantec.com>
Subject: REVISED Construction Documentation Reports – River Point Drive & Buffalo Street, Manitowoc, WI

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good morning Eric,

Thank you for pointing out the grant and cooperative agreement language. To that end, we have the following edits (highlighted below) to the second paragraphs of each of those documents. Note that these reports were completed as part of **two, separate grants**:

Buffalo Street Right of Way: This Construction Documentation Report was completed on behalf of the City of Manitowoc (the City) Community Development Authority (CDA) using funds from a brownfield cleanup grant awarded to the CDA by the United States Environmental Protection Agency (USEPA) on **September 29, 2022. The USEPA Brownfields Cooperative Agreement Number is BF00E03197.**

River Point Drive Right of Way: This Interim Construction Documentation Report was completed on behalf of the City of Manitowoc (the City) Community Development Authority (CDA) using funds from a brownfield cleanup grant awarded to the CDA by the United States Environmental Protection Agency (USEPA) on September 30, 2023. **The USEPA Brownfields Cooperative Agreement Number** is 4B00E03573.

I apologize for these typos. For clarity, I have attached an updated copy of each of these reports with today's date – January 19, 2024.

Apart from the above (grant language, date), no other changes were made to the content of the attached. @Beggs, Tauren R - DNR: Please replace the versions submitted via the portal with the attached, for continuity with USEPA program records.

Thank you, and have a wonderful weekend!

Whitney Cull

Stantec
Geological Engineer in Training
Mobile: (262) 219 - 4740

From: Knapke, Eric <Knapke.Eric@epa.gov>
Sent: Friday, January 19, 2024 9:20 AM
To: Cull, Whitney <Whitney.Cull@stantec.com>; Adam Tegen <ategen@manitowoc.org>
Cc: Byers, Harris <Harris.Byers@stantec.com>; Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>
Subject: RE: Interim Construction Documentation Report – River Point Drive Rights of Way, Manitowoc, WI

You don't often get email from knapke.eric@epa.gov. [Learn why this is important](#)

Hello all,

Thanks for sending these—nice to see the work done at the River Point District. I just have one minor edit to suggest for both construction reports (River Point Dr. ROW, Buffalo St. ROW). In the second paragraph of each document, please refer to the correct EPA grant: instead of an assessment grant, both have been funded under a **cleanup** grant, No. **4B00E03573**. Just want to make sure we have proper documentation, especially since Manitowoc has multiple EPA brownfields grants, including both cleanup and assessment grants.

Thanks,

Eric Knapke, MPH

Brownfields Project Manager
U.S. Environmental Protection Agency, Region 5
77 W. Jackson Blvd
Chicago, IL 60604
312-353-6292
knapke.eric@epa.gov

Check out our StoryMap on [Brownfields Successes in Detroit!](#)

Subscribe to our [EPA Region 5 Brownfields Newsletter](#)



REGION 5

CHICAGO, IL 60604

From: Cull, Whitney <Whitney.Cull@stantec.com>

Sent: Thursday, January 18, 2024 5:33 PM

To: Adam Tegen <ategen@manitowoc.org>; Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>; Knapke, Eric <Knapke.Eric@epa.gov>

Cc: Byers, Harris <Harris.Byers@stantec.com>

Subject: Interim Construction Documentation Report – River Point Drive Rights of Way, Manitowoc, WI

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Hello all,

The attached Interim Construction Documentation Report summarizes the redevelopment work completed in Fall 2023 in the River Point Drive Rights of Way and adjoining future mixed-use multi-family residential and commercial parcels at the River Point District in Manitowoc, Wisconsin. Associated tasks performed to date include monitoring well abandonment, and sitewide grading.

Tauren – this report was also uploaded through the WDNR portal for your records, for tracking under BRRTS # 02-36-585491.

Thank you,

Whitney Cull

Geological Engineer in Training

Mobile: (262) 219 - 4740



We've moved, but just across the street! Please note our new address, effective 5/23/2022:

Stantec

12080 Corporate Parkway Suite 200

Mequon WI 53092-2649

The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.

Please consider the environment before printing this email.

Caution: This email originated from outside of Stantec. Please take extra precaution.



January 19, 2024
File: 193709832

Attention: Mr. Adam Tegen
Community Development Director
900 Quay Street
Manitowoc, WI 54220
(920) 686-6931

Dear Mr. Adam Tegen,

**Reference: Construction Documentation Report – Buffalo Street Rights of Way, Phase II
Redevelopment Area, River Point District; Manitowoc, Wisconsin
BRRTS ID: 02-36-585491 (Open ERP)**

This Construction Documentation Report letter summarizes the redevelopment and remedial work completed in Fall 2023 in the newly constructed Buffalo Street rights of way (herein referred to as the “Project Area”) within the Phase II Redevelopment Area at the River Point District in Manitowoc, Wisconsin. The location of the Project Area, the Phase II Redevelopment Area, and the greater River Point District are outlined in black, green, and yellow, respectively, on **Figure 1** and **Figure 2**. Final engineered barrier features for the Project Area are illustrated on **Figure 3**. Environmental investigation history for the Project Area is tracked under Wisconsin Department of Natural Resources (WDNR) Bureau for Remediation and Redevelopment Tracking System (BRRTS) case number 02-36-585491.

This Construction Documentation Report was completed on behalf of the City of Manitowoc (the City) Community Development Authority (CDA) using funds from a brownfield cleanup grant awarded to the CDA by the United States Environmental Protection Agency (USEPA) on September 29, 2022. The USEPA Brownfields Cooperative Agreement Number is BF00E03197.

BACKGROUND

Residual environmental impacts are present in the Phase II Redevelopment Area associated with the placement of fill in the late 19th Century and the release(s) of hazardous substances and/or petroleum by multiple prior owners/tenants, as summarized in the Stantec (2019) Phase I Environmental Site Assessment (ESA). The most significant soil impacts in the Phase II Redevelopment Area, according to the Stantec (2023a) Site Investigation Report, primarily consist of polycyclic aromatic hydrocarbons (PAHs) and Resource Conservation and Recovery (RCRA) metals associated with black granular fill materials extending across the River Point District, as depicted on **Figure 4**. Less significant soil impacts include petroleum volatile organic compounds (PVOCs) and chlorinated VOCs (CVOCs). These contaminants of concern (COCs) exceed direct contact and/or soil to groundwater NR 720 Wisconsin Administrative Code (WAC) Residual Contaminant Levels (RCLs), as depicted on **Figure 5**.

In groundwater, COCs consist of PVOCs and CVOCs exceeding NR 140 WAC Enforcement Standards (ESs) and/or Preventative Action Limits (PALs). The extents of groundwater impacts exceeding established NR 140 WAC standards are illustrated on **Figure 6**.

Reference: Construction Documentation Report – Buffalo Street Rights of Way, Phase II Redevelopment Area, River Point District; Manitowoc, Wisconsin

There are currently no structures within the Project Area. Redevelopment within the Project Area is limited to public road rights of way (ROW) and associated greenspace as illustrated on **Figure 3**, to be owned and maintained in perpetuity by the City. Therefore, vapor does not represent a threat to human health or the environment.

PROJECT AREA CONSTRUCTION ACTIVITIES

As described below, Project Area construction and remedial activities were completed through 2023 and consisted of five primary tasks performed in accordance with the Stantec (2023b) RAP/MMP. A photographic log of Project Area activities performed in 2023 is provided in **Attachment A**.

Task 1. Monitoring Well Abandonment. Between January 2019 and September 2023 and in accordance with ch. NR 141 WAC, Stantec abandoned five temporary monitoring wells (TW-34, TW-35, TW-36, TW-37 and TW-44) and four permanent monitoring wells (MW-35, MW-44, MW-163 and MW-165) in areas where the wells would otherwise be disturbed or lost as part of upcoming redevelopment activities (refer to **Figure 3**). At a minimum, the top five feet of well casing was completely removed from each well and sealed using bentonite chips, with the entire screen and casing being removed in several instances. Well abandonment forms are included in **Attachment B**.

- Note: Four monitoring wells (MW-157, MW-158, MW-159 and MW-162) were destroyed as part of final grading in the Project Area in Fall 2023 prior to abandonment. The four missing wells are depicted in purple on **Figure 3** and are now completely covered by the engineered barrier in the Project Area. These wells will represent a continuing obligation at the time of future BRRTS case closure due to improper abandonment. The wells will need to be abandoned in accordance with ch. NR 141 WAC if they are encountered in the future (ex. during future utility work).

Task 2. Initial Grading of Project Area (2022). Approximately 1,600 cubic yards of granular material sourced from a quarry (Stantec, 2023b) was imported to the Project Area in 2022 to achieve rough grade for the Buffalo Street ROW and allow compressible soils to achieve equilibrium prior to final cap construction in 2023, which is described further in **Task 4**.

Task 3. Removal of Impacted Fill/Soil. In Fall 2023, a total of 975.68 tons of black granular fill and petroleum-impacted soils were excavated by Vinton Construction Co. (Vinton) as part of new utility installation (potable water and sanitary sewer) within the Buffalo Street ROW (connecting to River Point Drive to the southwest, and to the intersection of North 11th Street to the east). All excavated material was live loaded into dump trucks and transported to the Waste Management licensed solid waste landfill in Whitelaw, Wisconsin for disposal. Landfill disposal documentation is provided in **Attachment C**. Groundwater was not encountered within the utility trench excavations.

The Buffalo Street utilities installed by Vinton in Fall 2023 are illustrated on the *River Point Development Plan Set Utility Sheets C4.00 – C4.02* included as **Attachment D**. Utility trenches were backfilled with clean imported granular material following installation, and clean clay cut-off walls were installed southeast of the intersection of Buffalo Street and River Point Drive to prevent any potential offsite contamination migration via the potable water utility trench (**Attachment D**; Sheet C4.02).

Task 4. Final Grading of Project Area (2023). In 2023, approximately 2,000 cubic yards of granular quarry material and approximately 1,000 cubic yards of fill material previously characterized by Stantec (2023c) was placed/compacted in the Project Area to achieve the final grade.

Reference: Construction Documentation Report – Buffalo Street Rights of Way, Phase II Redevelopment Area, River Point District; Manitowoc, Wisconsin

In total between **Task 2** and **Task 4**, approximately 4,600 cubic yards of imported fill materials (quarry and pre-characterized by Stantec [2023c]) were placed/compacted in the Project Area, raising the grade of the Buffalo Street ROW an average of 4.5 feet (initially 586-589 ft above mean sea level prior to redevelopment, and now 591-593 ft above mean sea level at final grade). Final grades achieved in the Project Area are illustrated on the *River Point Development Plan Set Grading Plan Sheet C3.03* included as **Attachment E**.

Task 5. Engineered Barrier Placement. Paving and placement of softscape materials was completed in the Project Area by Winter 2023. As described in the Stantec (2023b) RAP/MMP and illustrated on **Figure 3**, the engineered barrier for the Project Area consists of the following features that address the direct contact and/or groundwater migration pathways in accordance with chs. NR 140, NR 720 and NR 718.12 (2) WAC:

- Concrete streetscapes, curbs and sidewalks; and
- A minimum 18-inch soil cap in areas of landscaping (with an average of 4.5 feet of clean fill placed in the Project Area as part of redevelopment), with a minimum of 12 inches of clean imported granular or clay fill covered with six inches of imported topsoil/vegetation.
 - Note: final sod will be placed in areas of landscape in the Project Area in Spring 2024; however, the minimum 18-inch cap thickness is currently achieved prior to sod placement.

Positive drainage and new stormwater utilities in the Phase II Redevelopment Area will minimize surface water infiltration and erosion, maintaining the integrity of the engineered barrier. Given the low permeability of the cap materials, the cap will also serve as an infiltration barrier to prevent further migration of contaminated groundwater. Photographs of the engineered barrier in the Project Area are included in **Attachment A**.

CONCLUSIONS

This Construction Documentation Report was prepared in accordance with the requirements of ch. NR 724.15 WAC to document the final construction of the Buffalo Street ROW within the Phase II Redevelopment Area of the River Point District (the Project Area). Project Area construction activities and associated engineered barrier placement have been completed per the Stantec (2023b) RAP/MMP.

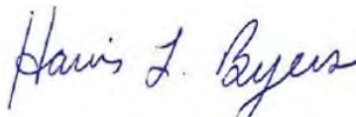
We recommend submitting a copy of this letter to WDNR for project documentation.

Regards,

STANTEC CONSULTING SERVICES INC.



Whitney Cull, EIT
Geological Engineer in Training
Whitney.Cull@Stantec.com
Phone: (262) 219-4740



Harris L. Byers, Ph.D.
Sr. Brownfields Project Manager
Harris.Byers@Stantec.com
Phone: 414-581-6476



Stu Gross, PG
Senior Project Manager
Stu.Gross@stantec.com
Phone: (262) 643-9159

Reference: Construction Documentation Report – Buffalo Street Rights of Way, Phase II Redevelopment Area, River Point District; Manitowoc, Wisconsin

ENCLOSURES

Figures

- Figure 1: Project Area and Regional Topography
- Figure 2: Project Area and 2020 Orthophotograph
- Figure 3: Project Area and Engineered Barrier Features
- Figure 4: Thickness of Historic Fill Materials
- Figure 5: Project Area and Soil Impacts
- Figure 6: Project Area and Groundwater Impacts

Attachments

- Attachment A: Photographic Log
- Attachment B: Well Abandonment Forms
- Attachment C: Landfill Disposal Documentation
- Attachment D: River Point Development Plan Set Utility Sheets C4.00 – C4.02
- Attachment E: River Point Development Plan Set Grading Plan Sheet C3.03

REFERENCES

Stantec, 2019. Phase I Environmental Site Assessment, 10th Street Railroad Property; Manitowoc, Wisconsin March 21, 2019.

Stantec, 2023a, Site Investigation Report, River Point District Phase 2 Redevelopment Area; Manitowoc, Wisconsin, September 10, 2021.

Stantec, 2023b. Remedial Action Plan & Materials Management Plan; Phase 2 Redevelopment Area; River Point District; Manitowoc, Wisconsin; Buffalo Street Rights of Way. July 21, 2023.

Stantec, 2023c. Characterization of Soil in the Reed Avenue (N 2nd to N 8th Streets) Rights of Way; Manitowoc, Wisconsin. April 21, 2023.

LIMITATIONS

The conclusions in this letter are Stantec's professional opinion, as of the time of the letter, and concerning the scope described in the letter. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. This letter relates solely to the specific project for which Stantec was retained and the stated purpose for which the letter was prepared. This letter is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the City and the CDA and third parties in the preparation of this letter to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

This letter is intended solely for use by the City and the CDA in accordance with Stantec's contract with the City and the CDA. While this letter may be provided to applicable authorities having jurisdiction and others for whom the City and the CDA is responsible, Stantec does not warrant the services to any third party. This letter may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

FIGURES



Figure No.

1

Title




Project Area and Regional Topography

Client/Project
 Buffalo Street Rights of Way
 River Point District
 City of Manitowoc

0 395 790 Prepared by HLB on 5/8/2023

Feet

Legend

-  River Point District
-  Buffalo Street ROW
-  Phase II Redevelopment Area





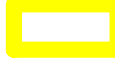
NOTE:
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 2. Orthophotograph: Manitowoc County, 2020

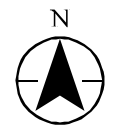




Figure No.
2
 Title
**Project Area and
 2020 Orthophotograph**
 Client/Project
 Buffalo Streets Rights of Way
 River Point District
 City of Manitowoc
 0 125 250 Feet Prepared by HLB on 5/8/2023

Legend

-  Buffalo Street ROW
-  Phase II Redevelopment Area
-  River Point District



NOTE:
 1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
 2. Orthophotograph: Manitowoc County, 2020



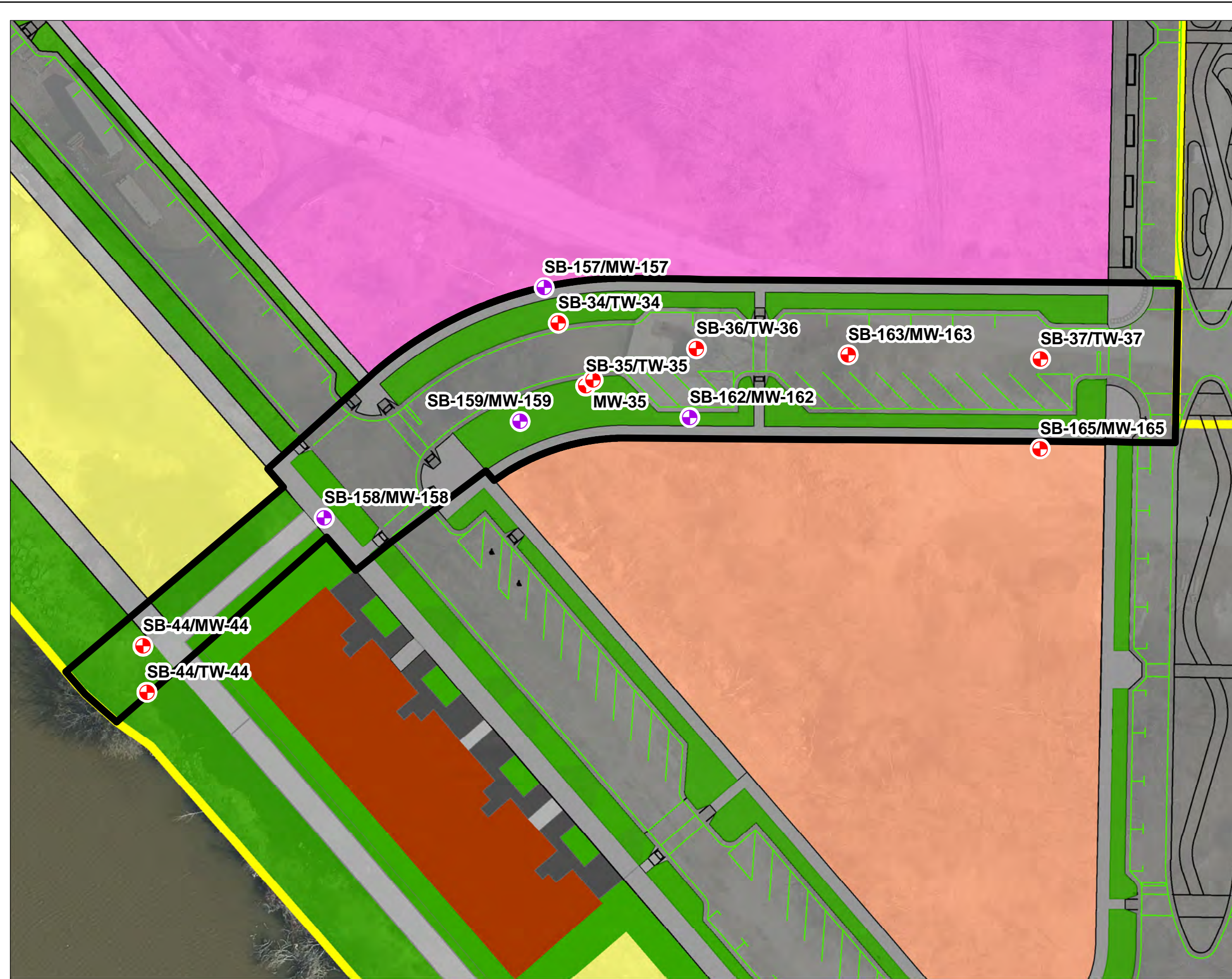


Figure No.
3
 Title
Project Area and Engineered Barrier Features
 Client/Project
 Buffalo Street Rights of Way
 River Point District
 City of Manitowoc
 0 37.5 75 Feet Prepared by JLH on 1/16/2024

Legend

Inactive Wells

- Abandoned - Refer to Attachment B
- Missing/Destroyed as part of Project Construction

Townhome Reuse Features

- Asphalt
- Proposed Townhomes
- Concrete
- Grass

Reuse Features

- Town Homes (2024-2025)
- Roadway (2021-2024)
- Landscaping (2023-2025)
- Multi-Family Residential (2023-2024)
- Sidewalk (2024-2025)
- River Walk / Park (2023-2024)
- Proposed Commercial (2025-2026)
- Buffalo Street Rights of Way
- River Point District

Notes
 1. Coordinate System: NAD 1983 HARN WISCRS Manitowoc County Feet
 2. Orthophotograph: Manitowoc County, 2020



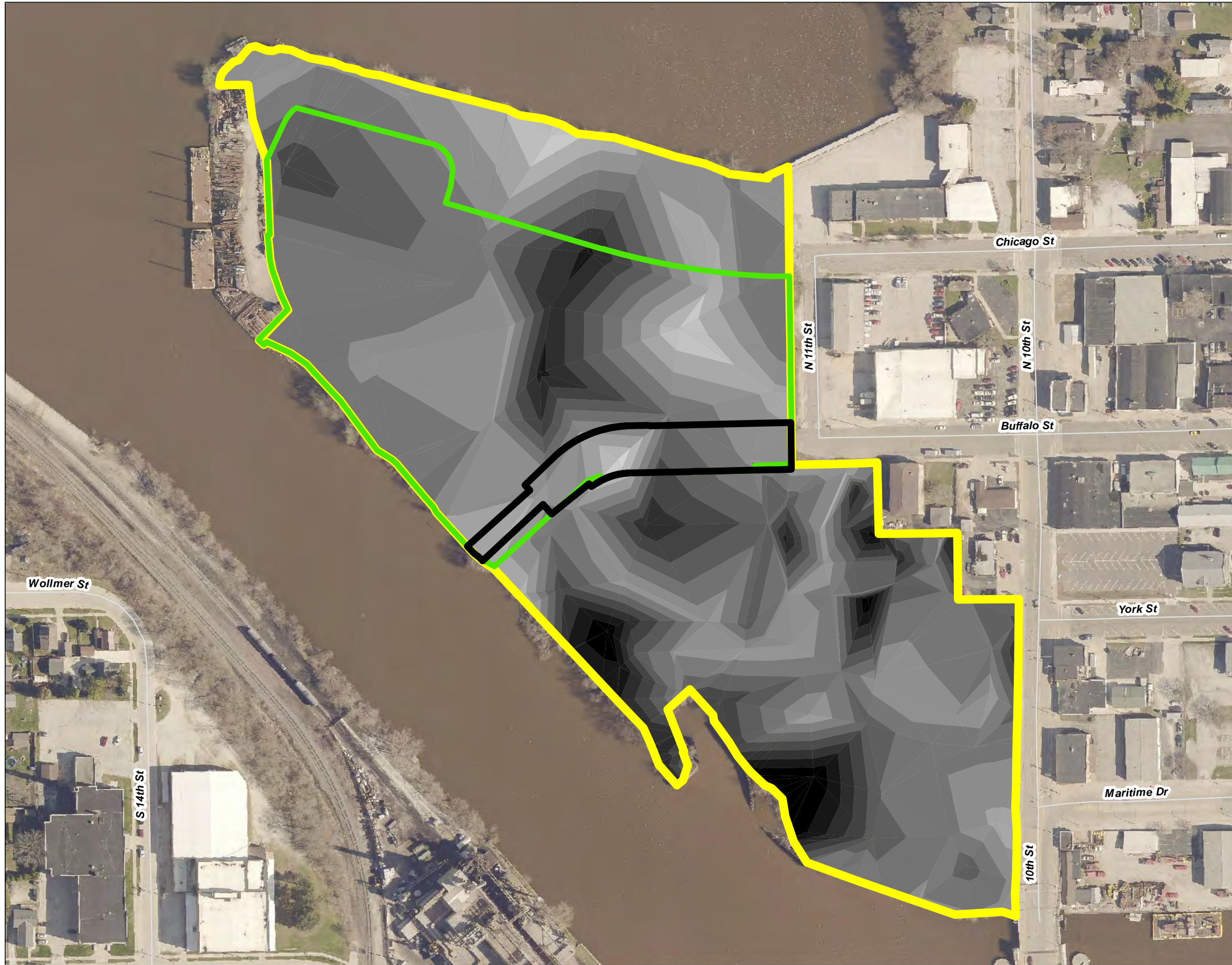


Figure No. **4**
 Title
 Thickness of Historic Fill Materials

Client/Project
 Buffalo Street Rights of Way
 River Point District
 City of Manitowoc

0 125 250 Feet Prepared by HLB on 5/8/2023

Legend

- Buffalo Street ROW
- Phase II Redevelopment Area
- River Point District

Depth to Bottom of Fill

(Feet Below Ground Surface)

- 7.111 - 8
- 6.222 - 7.111
- 5.333 - 6.222
- 4.444 - 5.333
- 3.556 - 4.444
- 2.667 - 3.556
- 1.778 - 2.667
- 0.889 - 1.778
- 0 - 0.889

Notes

1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet
2. Historic Site features illustrated on this figure were digitized from multiple historic maps/sources, including City Assessor files, WDNR files, and Sanborn (R) Fire Insurance Maps. These features are provided for illustration purposes only; Stantec makes no warranty as to the accuracy of these features.
3. Orthophotograph: Manitowoc County, 2020



Legend

Townhome Reuse Features

-  Asphalt
-  Proposed Townhomes
-  Concrete
-  Grass

Proposed Reuses

-  Town Homes (2024-2025)
-  Roadway (2021-2024)
-  Landscaping (2023-2025)
-  Multi-Family Residential (2023-2024)
-  Sidewalk (2024-2025)
-  River Walk / Park (2023-2024)
-  Proposed Commercial (2025-2026)

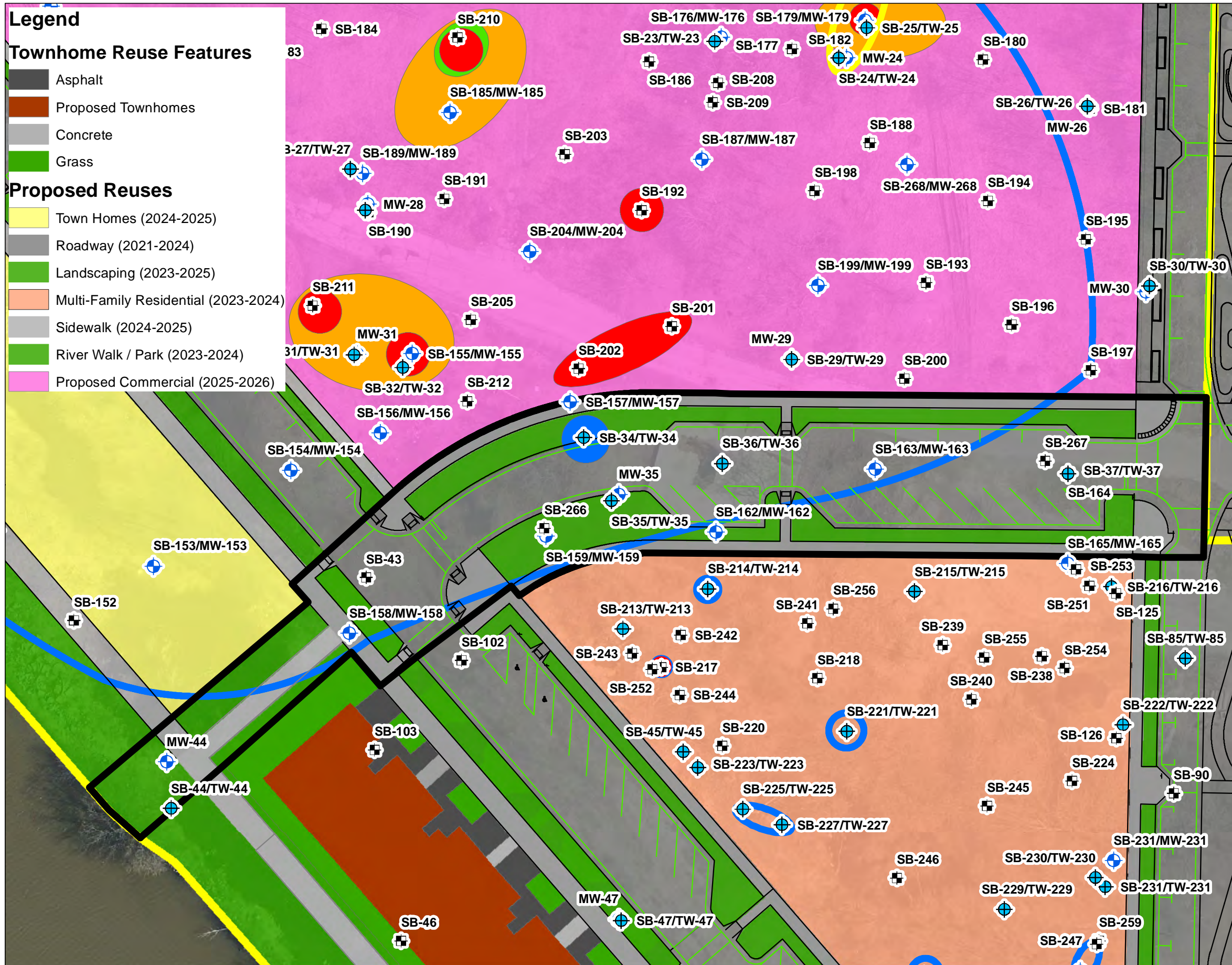


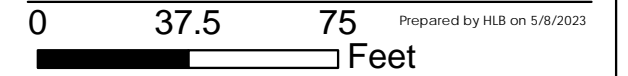
Figure No.

5



Title

Project Area and Soil Impacts








Client/Project
 Buffalo Street Rights of Way
 River Point District
 City of Manitowoc




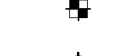

Legend

-  River Point District
-  Buffalo Street Rights of Way

Soil Impacts

-  Petroleum PAH > IDC
-  Petroleum PAH > NIDC
-  PVOC > IDC
-  PVOC > NIDC
-  PCB > NIDC
-  PVOC > GW Pathway
-  CVOCs > GW Pathway

Sample Locations

-  Soil Boring / Monitoring Well
-  Soil Boring
-  Soil Boring / Temp Well

Notes

1. Coordinate System: NAD 1983 HARN WISCRS Manitowoc County Feet
2. Orthophotograph: Manitowoc County, 2020
3. PAH = polycyclic aromatic hydrocarbon; PVOC = petroleum volatile organic compound; CVOC = chlorinated volatile organic compound; SVOC = semi-volatile organic compound; IDC = industrial direct contact residual contaminant level; NIDC = non-industrial direct contact residual contaminant level; GW = groundwater.
4. Soil impacts illustrated on this drawing are in addition to the sitewide metals and PAH impacts associated with historic granular fill materials.



Legend

Townhome Reuse Features

-  Asphalt
-  Proposed Townhomes
-  Concrete
-  Grass

Future Redevelopment











-  Town Homes (2024-2025)
-  Commercial (Finished)
-  Multi-Family (Finishing 2022)
-  Roadway (2021-2024)
-  Landscaping (2024-2025)
-  Floating Dock and Pier (2023)
-  Multi-Family Residential (2023-2024)
-  Sidewalk (2024-2025)
-  River Walk / Park (2023-2024)
-  Proposed Commercial (2025-2026)

Figure No.

6

Title
Project Area and
Groundwater Impacts




Client/Project
Buffalo Street Rights of Way
River Point District
City of Manitowoc

0 37.5 75 Feet Prepared by HLB on 5/8/2023







Legend

 Buffalo Street ROW

Sample Locations

-  Soil Boring / Monitoring Well
-  Soil Boring
-  Soil Boring / Temp Well

Groundwater Impacts

-  CN > PAL
-  CVOC > ES
-  CVOC > PAL
-  PAH > PAL
-  PVOC > ES
-  PVOC > PAL

Rights of Way Features

-  Landscaping
-  Sidewalk

Notes

1. Coordinate System: NAD 1983 HARN WISCRS Manitowoc County Feet
2. Orthophotograph: Manitowoc County, 2020



Attachment A

Photographic Documentation


Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 1	
Photo Location: Buffalo Street	
Direction: Looking south	
Survey Date: 4/18/2022	
Comments: Initial filling within the Project Area in 2022	

Photograph ID: 2	
Photo Location: Buffalo Street	
Direction:	
Survey Date: 4/18/2022	
Comments: Abandoning MW-35	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 3	
Photo Location: Buffalo Street	
Direction: Looking east	
Survey Date: 4/18/2022	
Comments: Abandoning MW-35	

Photograph ID: 4	
Photo Location: Buffalo Street	
Direction: Looking northwest	
Survey Date: 6/28/2022	
Comments: View of northwest portion of Project Area following initial filling in 2022	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 5	
Photo Location: Buffalo Street	
Direction: Looking east	
Survey Date: 6/28/2022	
Comments: View of east end of Project Area following initial filling in 2022	

Photograph ID: 6	
Photo Location: Buffalo Street	
Direction: Looking southeast	
Survey Date: 6/28/2022	
Comments: View of central portion of Project Area following initial filling in 2022	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 7	
Photo Location: Buffalo Street	
Direction: Looking north	
Survey Date: 8/29/2022	
Comments: View of southwest end of Project Area following initial filling in 2022	


Photograph ID: 8	
Photo Location: Buffalo Street	
Direction:	
Survey Date: 3/27/2023	
Comments: Abandoning TW-44	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 9	
Photo Location: Buffalo Street	
Direction: Looking east	
Survey Date: 9/19/2023	
Comments: Sanitary sewer installation	

Photograph ID: 10	
Photo Location: Buffalo Street	
Direction: Looking northeast	
Survey Date: 9/19/2023	
Comments: Sanitary sewer installation	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

<p>Photograph ID: 11</p> <p>Photo Location: Buffalo Street</p> <p>Direction: Looking north</p> <p>Survey Date: 9/19/2023</p> <p>Comments: Sanitary sewer installation; fill materials disturbed as part of sewer work were live-loaded for offsite disposal at a solid waste landfill</p>	
--	---

<p>Photograph ID: 12</p> <p>Photo Location: Buffalo Street</p> <p>Direction:</p> <p>Survey Date: 9/19/2023</p> <p>Comments: Sanitary sewer installation; fill materials disturbed as part of sewer work were live-loaded for offsite disposal at a solid waste landfill</p>	
--	--

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI


Photograph ID: 13
Photo Location: Buffalo Street
Direction: Looking north
Survey Date: 9/19/2023
Comments: Sanitary sewer installation; fill materials disturbed as part of sewer work were live-loaded for offsite disposal at a solid waste landfill



Photograph ID: 14
Photo Location: Buffalo Street
Direction: Looking northeast
Survey Date: 9/19/2023
Comments: Sanitary sewer installation



Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 15	
Photo Location: Buffalo Street	
Direction: Looking west	
Survey Date: 9/20/2023	
Comments: Water main installation	

Photograph ID: 16	
Photo Location: Buffalo Street	
Direction: Looking east	
Survey Date: 11/7/2023	
Comments: Buffalo Street in Fall 2023 after paving, as seen from the intersection of River Point Drive; sidewalk paving and landscaping in progress in this photograph	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 17	
Photo Location: Buffalo Street	
Direction: Looking west	
Survey Date: 1/11/2024	
Comments: Buffalo Street w/final engineered barriers in place	

Photograph ID: 18	
Photo Location: Buffalo Street	
Direction: Looking east	
Survey Date: 1/11/2024	
Comments: Buffalo Street w/final engineered barriers in place	

Client:	City of Manitowoc Community Development Authority	Project:	193709902
Site Name:	Buffalo Street	Site Location:	River Point District; Manitowoc, WI

Photograph ID: 19	
Photo Location: Buffalo Street	
Direction: Looking south	
Survey Date: 1/11/2024	
Comments: Buffalo Street w/final engineered barriers in place	

Photograph ID: 20	
Photo Location: Buffalo Street	
Direction: Looking northeast	
Survey Date: 1/11/2024	
Comments: Buffalo Street w/final engineered barriers in place	

Attachment B

Well Abandonment Forms

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

TW-34

Route to DNR Bureau:

- Drinking Water
- Watershed/Wastewater
- Remediation/Redevelopment
- Waste Management
- Other: _____

1. Well Location Information

County Manitowoc	WI Unique Well # of Removed Well _____	Hicap # N/A
---------------------	---	----------------

Latitude / Longitude (see instructions) 44.0946 N	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
87.6632 W		

1/4 / 1/4 NE NE or Gov't Lot #	Section 30	Township 19 N	Range 24	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
-----------------------------------	---------------	------------------	-------------	---

Well Street Address
Buffalo St and River Point Drive

Well City, Village or Town Manitowoc	Well ZIP Code 54220
---	------------------------

Subdivision Name River Point District	Lot # N/A
--	--------------

Reason for Removal from Service Borehole Abandonment	WI Unique Well # of Replacement Well N/A
---	---

3. Filled & Sealed Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 09/09/2020
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): _____

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.) 10	Casing Diameter (in.) _____
--	--------------------------------

Lower Drillhole Diameter (in.) 2.25"	Casing Depth (ft.) _____
---	-----------------------------

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? N/A	Depth to Water (feet) 5
--------------------------------------	----------------------------

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	10	.125 sacks	

6. Comments

7. Supervision of Work

Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Stantec	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/18/2022	Date Received	Noted By	
Street or Route 12080 Corporate Pkwy, Suite 200			Telephone Number (262) 241-4466		Comments
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>		Date Signed 1/17/2024

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
3/5'				0.5	SURFACE: MOIST TOPSOIL	0.5				Abbreviations: D = Dry W = Wet M = Moist fbg = feet below grade HC = Hydrocarbon
				1	0.5-3.5 FILL, BRICK, COAL PIECES, WET, COARSE + SILEX, NO ODOR.	1				
				1.5		1.5				
				2		2				
				2.5		2.5				
				3		3				
				3.5	3.5-4.5 SAND, MEDIUM, YELLOW, WET, SUB-ANGULAR, NO ODOR.	3.5				
		SB-92 3.5-4.5	1225	VOL. SUCR. REAR	4				0.3	
		SB-92 4.5-5	1230	VOL	4.5	4.5-5 FILL, BRICK, LUMBER, SAND, SILT, COAL, WET, NO ODOR.	4.5			
					5		5		2.2	
4/5'				5.5	5-7 SAND, DARK BROWN, SATD, COARSE, SUB-ANGULAR, LUMBER (-3/4"), SUB-ANGULAR, 1/8-1/2" NO ODOR.	5.5				
				6		6				
				6.5		6.5				
				7	7-7.5 WOOD/DIRT, SATD, YELLOW-BROWN, CREOSOTE ODOR.	7				
				7.5		7.5				
				8	7.5-8 PEAT, BRICK, SAND, SOFT, ORGANIC ODOR.	8				
				8.5	8-10 CLAY, BRICKS (GRAY-BLUE) w/ SHELLS, SATD, MEDIUM-SOFT, BRITTL, NO ODOR.	8.5				
				9		9				
				9.5		9.5				
				10	END @ 10'	10				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling: 5' ▽ Depth After Drilling: n/a	Rig: _____ GeoProbe Depth: 10' Geologist: Whitney Cull Driller/Co.: Horizon
--	--

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

MW-35

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County: **Manitowoc** WI Unique Well # of Removed Well: _____ Hicap #: **N/A**

Facility Name: **River Point District**

Latitude / Longitude (see instructions):
44.0946 N Format Code: DD Method Code: GPS008
87.6631 W DDM SCR002
 OTH001

Facility ID (FID or PWS): **BRRTS # 02-36-585491**

¼ / ¼ NE ¼ NE Section: **30** Township: **19 N** Range: E W

License/Permit/Monitoring #: **N/A**

Well Street Address: **Buffalo St and River Point Drive**

Original Well Owner: **N/A**

Well City, Village or Town: **Manitowoc** Well ZIP Code: **54220**

Present Well Owner: **Manitowoc Community Development Authority**

Subdivision Name: **River Point District** Lot #: **N/A**

Mailing Address of Present Owner: **900 Quay St**

Reason for Removal from Service: **Borehole Abandonment** WI Unique Well # of Replacement Well: **N/A**

City of Present Owner: **Manitowoc** State: **WI** ZIP Code: **54220**

3. Filled & Sealed Well / Drillhole / Borehole Information

4. Pump, Liner, Screen, Casing & Sealing Material

Monitoring Well Original Construction Date (mm/dd/yyyy): **01/17/2019**
 Water Well If a Well Construction Report is available, please attach.
 Borehole / Drillhole

- Pump and piping removed? Yes No N/A
Liner(s) removed? Yes No N/A
Liner(s) perforated? Yes No N/A
Screen removed? Yes No N/A
Casing left in place? Yes No N/A
Was casing cut off below surface? Yes No N/A
Did sealing material rise to surface? Yes No N/A
Did material settle after 24 hours? Yes No N/A
If yes, was hole retopped? Yes No N/A
If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Formation Type:
 Unconsolidated Formation Bedrock

Sealing Materials
 Neat Cement Grout Concrete
 Sand-Cement (Concrete) Grout Bentonite Chips

Total Well Depth From Ground Surface (ft.): **12** Casing Diameter (in.): _____

Lower Drillhole Diameter (in.): **4.25"** Casing Depth (ft.): _____

For Monitoring Wells and Monitoring Well Boreholes Only:
 Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? Depth to Water (feet): **6**

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	10	.5 sacks	

Bentonite Chips

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
Stantec		04/18/2022		
Street or Route	Telephone Number	Comments		
12080 Corporate Pkwy, Suite 200	(262) 241-4466			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Mequon	WI	53092	<i>Whitney Cull</i>	1/17/2024

Route To Watershed Wastewater Waste Management
 Remediation/Redevelopment Other

Facility Project Name 10th Street Railroad Property	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name MW-35 (FKA 3_MW-27)
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/> Lat. _____ Long. _____ or St. Plane _____ ft. N. _____ ft. E. <input checked="" type="checkbox"/> C/N	Wis. Unique Well No. _____ DNR Well Number 3 MW-27
Facility ID	Section Location of Waste/Source N <u>1/4</u> of <u>NE</u> 1/4 of Sec. <u>30</u> T. <u>19</u> N. R. <u>24</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 01/17/2019
Type of Well Well Code 71.dw	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) Geiss Soil & Samples LLC
Distance from Waste/Source ft. _____	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL		1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL		2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 N/A Other <input checked="" type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
C. Land surface elevation _____ ft. MSL		3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/>
D. Surface seal, bottom _____ ft. MSL or _____ ft.		4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 N/A Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input checked="" type="checkbox"/> ML <input type="checkbox"/> MH <input checked="" type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/>		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input type="checkbox"/> 0 8
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 Other <input type="checkbox"/>		7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft ³
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9		8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>
Describe _____		10. Screen material: PVC a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> b. Manufacturer _____ c. Slot size: 0.010 in. d. Slotted length: 10.0 ft.
17. Source of water (attach analysis, if required): _____	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Filter pack Other <input type="checkbox"/>	
E. Bentonite seal, top _____ ft. MSL or 0.0 ft.		
F. Fine sand, top _____ ft. MSL or _____ ft.		
G. Filter pack, top _____ ft. MSL or 1.5 ft.		
H. Screen joint, top _____ ft. MSL or 2.0 ft.		
I. Well bottom _____ ft. MSL or 12.0 ft.		
J. Filter pack, bottom _____ ft. MSL or 12.0 ft.		
K. Borehole, bottom _____ ft. MSL or 13.0 ft.		
L. Borehole, diameter 4.3 in.		
M. O.D. well casing 2.00 in.		
N. I.D. well casing 2.00 in.		

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature WJG Call Firm Stantec Tel. _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal TW-35	Route to DNR Bureau: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
--	---

1. Well Location Information **2. Facility / Owner Information**

County Manitowoc	WI Unique Well # of Removed Well _____	Hicap # N/A	Facility Name River Point District		
Latitude / Longitude (see instructions) 44.0946 N		Format Code <input checked="" type="checkbox"/> DD	Facility ID (FID or PWS) BRRTS # 02-36-585491		
87.6632 W		<input type="checkbox"/> DDM	License/Permit/Monitoring # N/A		
¼ / ¼ NE	¼ NE	Section 30	Township 19 N	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner N/A
Well Street Address Buffalo St and River Point Drive		Well ZIP Code 54220		Present Well Owner Manitowoc Community Development Authority	
Subdivision Name River Point District		Lot # N/A		Mailing Address of Present Owner 900 Quay St	
Reason for Removal from Service Borehole Abandonment		WI Unique Well # of Replacement Well N/A		City of Present Owner Manitowoc	
				State WI	ZIP Code 54220

3. Filled & Sealed Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 11/19/2018	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Borehole / Drillhole		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.) _____				
Lower Drillhole Diameter (in.) 2.25"	Casing Depth (ft.) _____				
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown					
If yes, to what depth (feet)? N/A	Depth to Water (feet) 7				

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	12	.125 sacks	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing Stantec	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 01/17/2019	Date Received	Noted By
Street or Route 12080 Corporate Pkwy, Suite 200		Telephone Number (262) 241-4466		Comments
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>	
			Date Signed 1/17/2024	

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
1/4'				0.5	0-0.5' TOP SOIL + GRASS	0.5	8125 8144	2.8		STICK-UP: 1110' Abbreviations: D = Dry W = Wet M = Moist fbg = feet below grade HC = Hydrocarbon * = Recovery is less than 100% due to compaction of soils/sands in core sampler, recovery is full recovery.
				1	0.5-1.75' ADPHANTHRE FILL, DRY, QUICK SOFT, SANDY TEXTURE. GRAVEL-SIZED (1/8"-1/4") MAKE UP ~ 50%. SOME ORNAMENTAL	1	8128 8145	1.0		
				1.5		1.5				
				2	1.75-2.25' MISC GRAIN SANDS, BROWN, DRY, SOFT. THREE LAMINAE	2	8130 8145	0.2		
				2.5		2.5				
				3	2.25-6' SANDY CLAY W/FILL, BROWN, FILL IS BLACK + ANHULAR. SOLIDS FILL SEAM 3-3.75. CLAY IS SOMEWHAT SOFT + WET - 4.5' DOWN	3	8135 8146	0.3		
				3.5		3.5	8135 8147	11.7		
				4		4	8136 8148	1.3		
				4.5		4.5				
				5		5	8137 8148	0.9		
				5.5		5.5				
				6		6				
				6.5	6-7' BROWN CLAY SOMEWHAT SOFT, WET, LAMINAE TO BLACK W/DEPTH. HC ODOR ~ 7'	6.5	8138 6149	909.5		
				7		7	8140 8150	1194		
				7.5		7.5				
				8	7-8' PEATY/ASHY SMT, BLACK, SATURATED. STRONG HC ODOR	8				
				8.5		8.5				
				9	8-12' LALON/WHY SRTY CLAY, SAT'D, SHALLS ~ 10' AND DOWN, NO HC ODOR ~ 9' AND DOWN	9				
				9.5		9.5				
				10		10				

3-3.75 8:55 PM
53 SB-27
LCOM

9:00
53 SB-27
6-7
VOC

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data	Rig
▼ Depth While Drilling 7' <i>AS</i>	GeoProbe
▼ Depth After Drilling n/a	Depth 12
	Geologist Whitney Cull
	Driller/Co.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal <p style="text-align: center;">TW-36</p>	<p>Route to DNR Bureau:</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Drinking Water</td> <td><input type="checkbox"/> Watershed/Wastewater</td> <td><input checked="" type="checkbox"/> Remediation/Redevelopment</td> </tr> <tr> <td><input type="checkbox"/> Waste Management</td> <td colspan="2"><input type="checkbox"/> Other: _____</td> </tr> </table>	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment	<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____	
<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment					
<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____						

1. Well Location Information				2. Facility / Owner Information			
County Manitowoc		WI Unique Well # of Removed Well _____		Hicap # N/A		Facility Name River Point District	
Latitude / Longitude (see instructions) 44.0946 N 87.663 W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) BRRTS # 02-36-585491	
¼ / ¼ NE NE or Gov't Lot #		Section 30		Township 19 N		License/Permit/Monitoring # N/A	
				Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Original Well Owner N/A	
Well Street Address Buffalo St and River Point Drive				Present Well Owner Manitowoc Community Development Authority			
Well City, Village or Town Manitowoc				Mailing Address of Present Owner 900 Quay St			
Subdivision Name River Point District				Lot # N/A		City of Present Owner Manitowoc	
				State WI		ZIP Code 54220	

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
Reason for Removal from Service Borehole Abandonment		WI Unique Well # of Replacement Well N/A			
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Original Construction Date (mm/dd/yyyy) 09/09/2020			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		If a Well Construction Report is available, please attach.			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 10		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Lower Drillhole Diameter (in.) 2.25		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
If yes, to what depth (feet)? N/A		Depth to Water (feet) 2			

5. Material Used to Fill Well / Drillhole			
Bentonite Chips	From (ft.) Surface	To (ft.) 10	No. Yards, Sacks Sealant or Volume (circle one) 0.125 sacks

6. Comments			

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Stantec		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 04/18/2022	Date Received	Noted By
Street or Route 12080 Corporate Pkwy, Suite 200			Telephone Number (262) 241-4466	Comments	
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>	Date Signed 1/17/2024	

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
2 1/5	SB-36	1-2	VOC SOM ARL	0.5	SURFACE: FILL SOIL/SAND	0.5		0.4		Abbreviations: D = Dry W = Wet M = Moist fbg = feet below grade HC = Hydrocarbon
				1	0-1 FILL SAND + GRAVEL, DARK BROWN, WET, SAT'D (C), GRAVELS (~50%) 1/2-1 1/2", SUBROUND, FAINT MANURE ODOR.	1				
				1.5	1-2 SAND, COARSE, BROWN, WET, SUBROUND, NO ODOR. GRAVELS (~10%) 1/2-1 1/2", SUBROUND	1.5				
				2	2-7 SAME AS 1-2, BUT SAND	2				
				2.5		2.5				
				3		3				
				3.5		3.5				
				4		4				
				4.5		4.5				
				5		5				
4 5/5				5.5		5.5				
				6		6				
				6.5		6.5				
				7	7-7.25 WOOD (PULP, YELLOW, AROMATIC), SAT'D, ORGANIC ODOR.	7				
				7.5	7.25-8.25 (SILT, BLACK, ORGANIC ODOR, SIFT	7.5				
				8	8.25-10 (CLAY, LIGHT BROWN (BROWN-BLUE) W/SHELLS, SAT'D, SIFT, NO ODOR.	8				
				8.5		8.5				
				9		9				
				9.5		9.5				
				10		10				

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling, <u>0' OR 2'</u> ▽ Depth After Drilling <u>n/a</u>	GeoProbe Depth <u>10'</u>	Rig _____ Geologist <u>Whitney Cull</u>
	Driller/Co. <u>Horizon</u>	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal <p style="text-align: center;">TW-37</p>	Route to DNR Bureau: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
---	---

1. Well Location Information	2. Facility / Owner Information
County: Manitowoc WI Unique Well # of Removed Well: _____ Hicap #: N/A	Facility Name: River Point District Facility ID (FID or PWS): BRRTS # 02-36-585491

Latitude / Longitude (see instructions) 44.0946 N 87.6623 W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	License/Permit/Monitoring # N/A
---	---	---	---

1/4 / 1/4 NE 1/4 NE Section: 30 or Gov't Lot # Township: 19 N Range: 24 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner N/A
--	-----------------------------------

Well Street Address Buffalo St and River Point Drive	Present Well Owner Manitowoc Community Development Authority
--	--

Well City, Village or Town Manitowoc	Well ZIP Code 54220	Mailing Address of Present Owner 900 Quay St
--	-------------------------------	--

Subdivision Name River Point District	Lot # N/A	City of Present Owner Manitowoc	State WI	ZIP Code 54220
---	---------------------	---	--------------------	--------------------------

Reason for Removal from Service Borehole Abandonment	WI Unique Well # of Replacement Well N/A	4. Pump, Liner, Screen, Casing & Sealing Material		
--	--	---	--	--

3. Filled & Sealed Well / Drillhole / Borehole Information		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 11/16/2018	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 12	Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2.25	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If yes, to what depth (feet)? N/A	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Depth to Water (feet) 7	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____

Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
--	---

5. Material Used to Fill Well / Drillhole			
Bentonite Chips	From (ft.) Surface	To (ft.) 12	No. Yards, Sacks Sealant or Volume (circle one) 0.125 sacks
Mix Ratio or Mud Weight			

6. Comments	

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Stantec	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 11/8/2021	Date Received	Noted By
Street or Route 12080 Corporate Pkwy, Suite 200		Telephone Number (262) 241-4466	Comments	
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>	Date Signed 1/17/2024

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
3/4'	1630 Vac 32 SB-8 0-0.5			0.5	0-0.5 TOP SOIL + MASS	0.5	1203			STICK-UP: 0.95' Abbreviations: D = Dry W = Wet M = Moist fbg = feet below grade HC = Hydrocarbon
				1	0.5-2.5 FILL, SAND, LENSULEY SAND	1	12123	1.5		
				1.5	WELL-SORTED, LENSULES ARE INTERLACED (1/8" - 1") AND SAND GENERALLY ROUNDED.	1.5	12124	0.2		
				2	• GRAY-BROWN 0.5-1.25, D	2	12108			
				2.5	• BROWN 1.25-2, D	2.5	12125	0.1		
				3	• YELLOW-BROWN 2-2.5, WET	3	12108			
				3.5	2.5-4 SILTY SAND WET/ WATER-BEARING BUT NOT SATURATED. SOFT, BROWN.	3.5	12126	0.1		
				4		4				
				4.5	4-6 SILTY CLAY WET, DARK GRAY-BROWN	4.5	12110			
				5		5	12127	0.1		
				6		6				
				6.5	6-8 WELL-SORTED ARNOLD SILT/SAND, SATURATED ~ 7, LENSULES ~ 1/8" - 1" IN SILT/SAND (FINE MATRIX) ~ 40% LENSULES, DARK BROWN	6.5	12115			
				7		7	12122			
				7.5		7.5		0.3		
				8		8				
				8.5	8-12 AS ABOVE, BUT BROWN. SATURATED	8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ 12 bgs

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling 7 ▽ Depth After Drilling n/a	GeoProbe Depth 12	Rig _____
	Driller/Co. _____	Geologist Whitney Cull

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal <div style="text-align: center;"><u>MW-44</u></div>	Route to DNR Bureau: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
---	---

1. Well Location Information	2. Facility / Owner Information
------------------------------	---------------------------------

County Manitowoc	WI Unique Well # of Removed Well _____	Hicap # N/A	Facility Name River Point District		
Latitude / Longitude (see instructions) 44.0942 N 87.664 W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Facility ID (FID or PWS) BRRTS # 02-36-585491		
1/4 / 1/4 NE NE or Gov't Lot #		Section 30	Township 19 N	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # N/A
Well Street Address Buffalo St and River Point Drive			Original Well Owner N/A		
Well City, Village or Town Manitowoc			Present Well Owner Manitowoc Community Development Authority		
Subdivision Name River Point District			Mailing Address of Present Owner 900 Quay St		
Reason for Removal from Service Borehole Abandonment			City of Present Owner Manitowoc		
WI Unique Well # of Replacement Well N/A			State WI		ZIP Code 54220

3. Filled & Sealed Well / Drillhole / Borehole Information	4. Pump, Liner, Screen, Casing & Sealing Material
--	---

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) 01/17/2019 If a Well Construction Report is available, please attach.	4. Pump, Liner, Screen, Casing & Sealing Material Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips	
Total Well Depth From Ground Surface (ft.) 13	Casing Diameter (in.) _____	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	
Lower Drillhole Diameter (in.) 4.25	Casing Depth (ft.) _____		
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) 2		

5. Material Used to Fill Well / Drillhole			
---	--	--	--

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	13	0.75 sacks	

6. Comments

7. Supervision of Work		DNR Use Only	
------------------------	--	--------------	--

Name of Person or Firm Doing Filling & Sealing Stantec	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 03/27/2023	Date Received	Noted By
Street or Route 12080 Corporate Pkwy, Suite 200		Telephone Number (262) 241-4466		Comments
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>	
			Date Signed 1/17/2024	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal <p style="text-align: center;">TW-44</p>	<p>Route to DNR Bureau:</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Drinking Water</td> <td><input type="checkbox"/> Watershed/Wastewater</td> <td><input checked="" type="checkbox"/> Remediation/Redevelopment</td> </tr> <tr> <td><input type="checkbox"/> Waste Management</td> <td colspan="2"><input type="checkbox"/> Other: _____</td> </tr> </table>	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment	<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____	
<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment					
<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____						

1. Well Location Information	2. Facility / Owner Information
------------------------------	---------------------------------

County Manitowoc	WI Unique Well # of Removed Well _____	Hicap # N/A	Facility Name River Point District		
Latitude / Longitude (see instructions) 44.0946 N 87.664 W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Facility ID (FID or PWS) BRRTS # 02-36-585491		
1/4 / 1/4 NE / NE or Gov't Lot #		Section 30	Township 19 N	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # N/A
Well Street Address Buffalo St and River Point Drive			Original Well Owner N/A		
Well City, Village or Town Manitowoc			Present Well Owner Manitowoc Community Development Authority		
Subdivision Name River Point District			Mailing Address of Present Owner 900 Quay St		
Reason for Removal from Service Borehole Abandonment			City of Present Owner Manitowoc		
WI Unique Well # of Replacement Well N/A			State WI		ZIP Code 54220

3. Filled & Sealed Well / Drillhole / Borehole Information	4. Pump, Liner, Screen, Casing & Sealing Material
--	---

<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy) <p style="text-align: center;">11/15/2018</p> If a Well Construction Report is available, please attach.	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.) _____	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			
Lower Drillhole Diameter (in.) 2.25	Casing Depth (ft.) _____	Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown			
If yes, to what depth (feet)? N/A	Depth to Water (feet) _____				

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
---	------------	----------	---	-------------------------

Bentonite Chips	Surface	12	0.125 sacks	
------------------------	---------	----	-------------	--

6. Comments

7. Supervision of Work	DNR Use Only
------------------------	--------------

Name of Person or Firm Doing Filling & Sealing Stantec	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 03/27/2023	Date Received	Noted By
Street or Route 12080 Corporate Pkwy, Suite 200		Telephone Number (262) 241-4466		Comments
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>	
			Date Signed 1/17/2024	

Site Name: Former Railroad Property

(FKA 5_SB-18/5_TW-18)

Date: 11/15/18

Start: 12:40

Finish: 12:50

Address: 100 Block of 10th Street
Manitowoc, WI

Boring recovery (feet)	Sample number	Sample time	Sampled for	Depth (feet)	Detailed Soil and Rock Description	Depth (feet)	PID collection and sample time	PID (ppm)	Well Log (if applicable)	Remarks
2.5/4	SS SB-18 0-1	1:10	VOC	0.5	6-1 TOP SOIL + ORGANICS	0.5	12:55	1105 3.8	Well Log (if applicable) STICK-UP: 1.25' CENTRALITE SAND	Abbreviations: D = Dry W = Wet M = Moist fbg = feet below grade HC = Hydrocarbon * = Recovery is less than 100% due to compaction of soils/sands in core sampler, recovery is full recovery.
				1	1-3 GRANULY SILTY SAND GRAVELS 1/8"-1" UP ~ 50%. DARK BROWN, P. FINES DOWNWARDS A	1	12:55	1106 0.3		
				2		2				
				2.5		2.5	12:58	1104 0.5		
				3		3				
				3.5	3-6 BROWN SILTY SAND, FINE GRAVELS. SATURATED ~ 3', SOFT, FINE.	3.5	12:58	1106 0.4		
				4		4				
				4.5		4.5				
				5		5				
				5.5		5.5				
				6	6-7 PEAT (ORANGE-RED-BROWN) WET, SOFT.	6				
				6.5		6.5				
				7	7-8 SILTY CLAY - BROWN/BROWN, SOFT, WET	7				
				7.5		7.5				
				8		8				
				8.5	8-12 AS ABOVE, WITH SNAILS	8.5				
				9		9				
				9.5		9.5				
				10		10				

End of Boring @ 12 bgs

Note: Stratification lines are approximate; in-situ transition between soil types may be gradual.

Groundwater Data ▼ Depth While Drilling ▽ Depth After Drilling n/a	Rig GeoProbe Depth 12 Geologist Whitney Cull Driller/Co.
---	---

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal MW-163	Route to DNR Bureau:		
	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Watershed/Wastewater	<input checked="" type="checkbox"/> Remediation/Redevelopment
	<input type="checkbox"/> Waste Management	<input type="checkbox"/> Other: _____	

1. Well Location Information			2. Facility / Owner Information		
County Manitowoc	WI Unique Well # of Removed Well _____	Hicap # N/A	Facility Name River Point District		

Latitude / Longitude (see instructions) 44.0946 N 87.6627 W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) BRRTS # 02-36-585491	
1/4 / 1/4 NE / 1/4 NE or Gov't Lot #		Section 30	Township 19 N	Range <input checked="" type="checkbox"/> E <input type="checkbox"/> W	License/Permit/Monitoring # N/A

Well Street Address Buffalo St and River Point Drive			Original Well Owner N/A		
Well City, Village or Town Manitowoc			Present Well Owner Manitowoc Community Development Authority		

Subdivision Name River Point District		Well ZIP Code 54220	Mailing Address of Present Owner 900 Quay St		
Reason for Removal from Service Borehole Abandonment		Lot # N/A	City of Present Owner Manitowoc		State WI
WI Unique Well # of Replacement Well N/A		ZIP Code 54220			

3. Filled & Sealed Well / Drillhole / Borehole Information					
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 06/28/2022				
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.				
<input type="checkbox"/> Borehole / Drillhole					

4. Pump, Liner, Screen, Casing & Sealing Material					
Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A		
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A		
Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A		
Screen removed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A		
Casing left in place?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A		

Construction Type:					
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	<input type="checkbox"/> Dug			
<input type="checkbox"/> Other (specify): _____					

Formation Type:					
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock				
Total Well Depth From Ground Surface (ft.) 10	Casing Diameter (in.) _____				
Lower Drillhole Diameter (in.) 4.25	Casing Depth (ft.) _____				

Was well annular space grouted?					
<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No		<input type="checkbox"/> Unknown	
If yes, to what depth (feet)? N/A		Depth to Water (feet) 7			

5. Material Used to Fill Well / Drillhole				
Bentonite Chips	From (ft.) Surface	To (ft.) 10	No. Yards, Sacks Sealant or Volume (circle one) 0.75 sacks	Mix Ratio or Mud Weight

6. Comments					

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Stantec	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 09/19/2023	Date Received	Noted By	
Street or Route 12080 Corporate Pkwy, Suite 200		Telephone Number (262) 241-4466		Comments	
City Mequon	State WI	ZIP Code 53092	Signature of Person Doing Work <i>Whitney Cull</i>		Date Signed 1/17/2024

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name River Point District - Lot 3		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW-163	
Facility License, Permit or Monitoring No. BRRTS #02-36-176478		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. DNR Well Number	
Facility ID		Lat. _____ Long. _____ or St. Plane 772,050 ft. N. 2,582,494 ft. E. S/C/N		Date Well Installed 06/28/2022	
Type of Well Well Code 71/dw		Section Location of Waste/Source NE 1/4 of NE 1/4 of Sec. 30 T. 19 N. R. 24 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Ben Long	
Distance from Waste/Source ft. _____		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input type="checkbox"/>				Horizon Construction and Exploration, LLC	

A. Protective pipe, top elevation _____ ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
B. Well casing, top elevation 593.76 ft. MSL		2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 N/A Other <input checked="" type="checkbox"/>	
C. Land surface elevation 589.9 ft. MSL		d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____	
D. Surface seal, bottom _____ ft. MSL or _____ ft.		3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input type="checkbox"/>	
<div style="border: 1px solid black; padding: 5px;"> 12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input checked="" type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> </div>		4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 N/A Other <input checked="" type="checkbox"/>	
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. 0.25 Ft ³ volume added for any of the above	
14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 Other <input type="checkbox"/>		f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8	
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/>	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added 0.15 Ft ³	
Describe _____		8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added 1 Ft ³	
17. Source of water (attach analysis, if required):	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>		
E. Bentonite seal, top 589.9 ft. MSL or 0.0 ft.	10. Screen material: PVC a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/>		
F. Fine sand, top 587.9 ft. MSL or 2.0 ft.	b. Manufacturer _____ c. Slot size: 0.010 in.		
G. Filter pack, top 587.4 ft. MSL or 2.5 ft.	d. Slotted length: 10.0 ft.		
H. Screen joint, top 586.9 ft. MSL or 3.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/>		
I. Well bottom 576.9 ft. MSL or 13.0 ft.			
J. Filter pack, bottom 576.9 ft. MSL or 13.0 ft.			
K. Borehole, bottom 579.9 ft. MSL or 10.0 ft.			
L. Borehole, diameter 2.3 in.			
M. O.D. well casing 2.25 in.			
N. I.D. well casing 2.00 in.			

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Whitney Call Firm Stantec Consulting Services Inc. Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

<input type="checkbox"/> Verification Only of Fill and Seal MW-165	Route to DNR Bureau: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Watershed/Wastewater <input checked="" type="checkbox"/> Remediation/Redevelopment <input type="checkbox"/> Waste Management <input type="checkbox"/> Other: _____
---	---

1. Well Location Information	2. Facility / Owner Information
County: Manitowoc WI Unique Well # of Removed Well: _____ Hicap #: N/A	Facility Name: River Point District Facility ID (FID or PWS): BRRTS # 02-36-585491

Latitude / Longitude (see instructions): 44.0945 N 87.6623 W	Format Code: <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code: <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	License/Permit/Monitoring #: N/A
--	--	--	--

1/4 / 1/4 NE 1/4 NE Section: 30 or Gov't Lot # Township: 19 N Range: 24 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner: N/A
--	------------------------------------

Well Street Address: Buffalo St and River Point Drive	Present Well Owner: Manitowoc Community Development Authority
---	---

Well City, Village or Town: Manitowoc	Well ZIP Code: 54220	Mailing Address of Present Owner: 900 Quay St
---	--------------------------------	---

Subdivision Name: River Point District	Lot #: N/A	City of Present Owner: Manitowoc	State: WI	ZIP Code: 54220
--	----------------------	--	---------------------	---------------------------

Reason for Removal from Service: Borehole Abandonment	WI Unique Well # of Replacement Well: N/A	4. Pump, Liner, Screen, Casing & Sealing Material
---	---	---

3. Filled & Sealed Well / Drillhole / Borehole Information	
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole	Original Construction Date (mm/dd/yyyy): 06/28/2023 If a Well Construction Report is available, please attach.

Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
---	--

Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
--	---

Total Well Depth From Ground Surface (ft.): 15	Casing Diameter (in.): _____	Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
--	---------------------------------	---

Lower Drillhole Diameter (in.): 4.25	Casing Depth (ft.): _____	Sealing Materials: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips
--	------------------------------	---

Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	For Monitoring Wells and Monitoring Well Boreholes Only: <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry
--	---

5. Material Used to Fill Well / Drillhole				
Bentonite Chips	From (ft.): Surface	To (ft.): 15	No. Yards, Sacks Sealant or Volume (circle one): 0.5 sacks	Mix Ratio or Mud Weight

6. Comments

7. Supervision of Work	DNR Use Only
Name of Person or Firm Doing Filling & Sealing: Stantec	Date Received: _____ Noted By: _____
License #: _____ Date of Filling & Sealing or Verification (mm/dd/yyyy): 07/25/2023	Comments: _____
Street or Route: 12080 Corporate Pkwy, Suite 200	
Telephone Number: (262) 241-4466	Signature of Person Doing Work: <i>Whitney Cull</i>
City: Mequon	Date Signed: 1/17/2024
State: WI	ZIP Code: 53092

Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name River Point District - Lot 3		Local Grid Location of Well ft. <input type="checkbox"/> N, <input type="checkbox"/> S, <input type="checkbox"/> E, <input type="checkbox"/> W		Well Name MW-165	
Facility License, Permit or Monitoring No. BRRTS #02-36-176478		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. DNR Well Number	
Facility ID		St. Plane 772,008 ft N, 2,582,587 ft E. S/C/N		Date Well Installed 06/28/2022	
Type of Well Well Code 71/dw		Section Location of Waste/Source NE 1/4 of NE 1/4 of Sec 30, T. 19 N, R. 24 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: (Person's Name and Firm) Ben Long	
Distance from Waste/Source ft. <input type="checkbox"/> Enfl. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
				Horizon Construction and Exploration, LLC	

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation <u>592.84</u> ft. MSL</p> <p>C. Land surface elevation <u>591.3</u> ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12 USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input checked="" type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input checked="" type="checkbox"/> 4 1 _____ Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top <u>591.3</u> ft. MSL or <u>0.0</u> ft.</p> <p>F. Fine sand, top <u>589.3</u> ft. MSL or <u>2.0</u> ft.</p> <p>G. Filter pack, top <u>588.8</u> ft. MSL or <u>2.5</u> ft.</p> <p>H. Screen joint, top <u>588.3</u> ft. MSL or <u>3.0</u> ft.</p> <p>I. Well bottom <u>578.3</u> ft. MSL or <u>13.0</u> ft.</p> <p>J. Filter pack, bottom <u>578.3</u> ft. MSL or <u>13.0</u> ft.</p> <p>K. Borehole, bottom <u>576.3</u> ft. MSL or <u>15.0</u> ft.</p> <p>L. Borehole, diameter <u>2.3</u> in.</p> <p>M. O.D. well casing <u>2.25</u> in.</p> <p>N. I.D. well casing <u>2.00</u> in.</p>		<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 0 4 _____ Other <input checked="" type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 _____ Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 _____ Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. <u>0.25</u> Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added <u>0.15</u> ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. _____ b. Volume added <u>1</u> ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 _____ Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen Type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 _____ Other <input type="checkbox"/></p> <p>b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10.0</u> ft</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 _____ Other <input type="checkbox"/></p>
---	--	---

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Whitney Call Firm Stantec Consulting Services Inc. Tel: _____ Fax: _____

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats, and ch. NR 141, Wis Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis Stats, failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Attachment C

Landfill Disposal Documentation



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233316

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	74860 lb
In	09/19/2023 08:52:26	Scale1	ljohanek		Tare	30340 lb
Out	09/19/2023 09:01:35	Scale1	ljohanek		Net	44520 lb
					Tons	22.26

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	22.26	Tons				
2 ENVT-ENVIRONMENTAL	100	22.26	Tons				
3 FUELT-FUEL SURCHAR	100	22.26	Tons				
4 WWMT-WASTE WATER M	100	22.26	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233342

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 315 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	77800 lb
In	09/19/2023 09:56:55	Scale1	ljohanek		Tare	31680 lb
Out	09/19/2023 10:11:06	Scale1	ljohanek		Net	46120 lb
					Tons	23.06

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	23.06	Tons				
2 ENVT-ENVIRONMENTAL	100	23.06	Tons				
3 FUELT-FUEL SURCHAR	100	23.06	Tons				
4 WWMT-WASTE WATER M	100	23.06	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233360

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	70960 lb
In	09/19/2023 10:51:16	Scale1	ljohanek		Tare	30320 lb
Out	09/19/2023 11:00:04	Scale1	ljohanek		Net	40640 lb
					Tons	20.32

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	20.32	Tons				
2 ENVT-ENVIRONMENTAL	100	20.32	Tons				
3 FUELT-FUEL SURCHAR	100	20.32	Tons				
4 WWMT-WASTE WATER M	100	20.32	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233375

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/19/2023 Vehicle# C-05 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	
In	09/19/2023 12:20:46	Scale1	ljohanek		Tare	66640 lb
Out	09/19/2023 12:32:00	Scale1	ljohanek		Net	28940 lb
					Tons	37700 lb
						18.85

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	18.85	Tons				
2 ENVT-ENVIRONMENTAL	100	18.85	Tons				
3 FUELT-FUEL SURCHAR	100	18.85	Tons				
4 WWMT-WASTE WATER M	100	18.85	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233377

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	71300 lb
In	09/19/2023 12:29:42	Scale1	ljohanek		Tare	30220 lb
Out	09/19/2023 12:38:52	Scale1	ljohanek		Net	41080 lb
					Tons	20.54

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	20.54	Tons				
2 ENVT-ENVIRONMENTAL	100	20.54	Tons				
3 FUELT-FUEL SURCHAR	100	20.54	Tons				
4 WWMT-WASTE WATER M	100	20.54	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233394

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 315 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	73100 lb
In	09/19/2023 13:43:03	Scale1	ljohanek		Tare	31640 lb
Out	09/19/2023 13:57:59	Scale1	ljohanek		Net	41460 lb
					Tons	20.73

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	20.73	Tons				
2 ENVT-ENVIRONMENTAL	100	20.73	Tons				
3 FUELT-FUEL SURCHAR	100	20.73	Tons				
4 WWMT-WASTE WATER M	100	20.73	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233407

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/19/2023 Vehicle# C-05 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	
In	09/19/2023 14:17:16	Scale1	ljohanek		Tare	66220 lb
Out	09/19/2023 14:28:37	Scale1	ljohanek		Net	28900 lb
					Tons	37320 lb
						18.66

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	18.66	Tons				
2 ENVT-ENVIRONMENTAL	100	18.66	Tons				
3 FUELT-FUEL SURCHAR	100	18.66	Tons				
4 WWMT-WASTE WATER M	100	18.66	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233414

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	58760 lb
In	09/19/2023 14:38:12	Scale1	ljohanek		Tare	30180 lb
Out	09/19/2023 14:48:37	Scale1	ljohanek		Net	28580 lb
					Tons	14.29

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	14.29	Tons				
2 ENVT-ENVIRONMENTAL	100	14.29	Tons				
3 FUELT-FUEL SURCHAR	100	14.29	Tons				
4 WWMT-WASTE WATER M	100	14.29	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233421

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/19/2023 Vehicle# C-05 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	72060 lb
In	09/19/2023 15:31:23	Scale1	ljohanek		Tare	28840 lb
Out	09/19/2023 15:40:54	Scale1	ljohanek		Net	43220 lb
					Tons	21.61

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	21.61	Tons				
2 ENVT-ENVIRONMENTAL	100	21.61	Tons				
3 FUELT-FUEL SURCHAR	100	21.61	Tons				
4 WWMT-WASTE WATER M	100	21.61	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233422

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/19/2023 Vehicle# 315 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	82900 lb
In	09/19/2023 15:32:17	Scale1	ljohanek		Tare	31520 lb
Out	09/19/2023 15:44:55	Scale1	ljohanek		Net	51380 lb
					Tons	25.69

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	25.69	Tons				
2 ENVT-ENVIRONMENTAL	100	25.69	Tons				
3 FUELT-FUEL SURCHAR	100	25.69	Tons				
4 WWMT-WASTE WATER M	100	25.69	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233438

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 315 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	71420 lb
In	09/20/2023 07:36:25	Scale1	ljohanek		Tare	31660 lb
Out	09/20/2023 07:48:57	Scale1	ljohanek		Net	39760 lb
					Tons	19.88

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	19.88	Tons				
2 ENVT-ENVIRONMENTAL	100	19.88	Tons				
3 FUELT-FUEL SURCHAR	100	19.88	Tons				
4 WWMT-WASTE WATER M	100	19.88	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233439

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier TISLER
 Ticket Date 09/20/2023 Vehicle# 54 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	65420 lb
In	09/20/2023 07:37:51	Scale1	ljohanek		Tare	27360 lb
Out	09/20/2023 07:49:32	Scale1	ljohanek		Net	38060 lb
					Tons	19.03

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	19.03	Tons				
2 ENVT-ENVIRONMENTAL	100	19.03	Tons				
3 FUELT-FUEL SURCHAR	100	19.03	Tons				
4 WWMT-WASTE WATER M	100	19.03	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233441

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	70780 lb
In	09/20/2023 07:44:24	Scale1	ljohanek		Tare	30340 lb
Out	09/20/2023 07:54:00	Scale1	ljohanek		Net	40440 lb
					Tons	20.22

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	20.22	Tons				
2 ENVT-ENVIRONMENTAL	100	20.22	Tons				
3 FUELT-FUEL SURCHAR	100	20.22	Tons				
4 WWMT-WASTE WATER M	100	20.22	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233447

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/20/2023 Vehicle# C-04 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	78600 lb
In	09/20/2023 08:21:16	Scale1	ljohanek		Tare	28880 lb
Out	09/20/2023 08:30:23	Scale1	ljohanek		Net	49720 lb
					Tons	24.86

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	24.86	Tons				
2 ENVT-ENVIRONMENTAL	100	24.86	Tons				
3 FUELT-FUEL SURCHAR	100	24.86	Tons				
4 WWMT-WASTE WATER M	100	24.86	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233445

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/20/2023 Vehicle# C-06 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	62760 lb
In	09/20/2023 08:16:25	Scale1	ljohanek		Tare	27200 lb
Out	09/20/2023 08:32:40	Scale1	ljohanek		Net	35560 lb
					Tons	17.78

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	17.78	Tons				
2 ENVT-ENVIRONMENTAL	100	17.78	Tons				
3 FUELT-FUEL SURCHAR	100	17.78	Tons				
4 WWMT-WASTE WATER M	100	17.78	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233454

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier TISLER
 Ticket Date 09/20/2023 Vehicle# 54 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	54020 lb
In	09/20/2023 09:07:49	Scale1	ljohanek		Tare	27300 lb
Out	09/20/2023 09:22:15	Scale1	ljohanek		Net	26720 lb
					Tons	13.36

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	13.36	Tons				
2 ENVT-ENVIRONMENTAL	100	13.36	Tons				
3 FUELT-FUEL SURCHAR	100	13.36	Tons				
4 WWMT-WASTE WATER M	100	13.36	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233459

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	
In	09/20/2023 09:27:41	Scale1	ljohanek		Tare	73320 lb
Out	09/20/2023 09:36:25	Scale1	ljohanek		Net	30280 lb
					Tons	43040 lb
						21.52

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	21.52	Tons				
2 ENVT-ENVIRONMENTAL	100	21.52	Tons				
3 FUELT-FUEL SURCHAR	100	21.52	Tons				
4 WWMT-WASTE WATER M	100	21.52	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233465

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/20/2023 Vehicle# C-06 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	
In	09/20/2023 09:52:21	Scale1	ljohanek		Tare	63080 lb
Out	09/20/2023 10:04:29	Scale1	ljohanek		Net	27160 lb
					Tons	35920 lb
						17.96

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	17.96	Tons				
2 ENVT-ENVIRONMENTAL	100	17.96	Tons				
3 FUELT-FUEL SURCHAR	100	17.96	Tons				
4 WWMT-WASTE WATER M	100	17.96	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233469

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 315 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	69920 lb
In	09/20/2023 10:07:18	Scale1	ljohanek		Tare	31600 lb
Out	09/20/2023 10:21:26	Scale1	ljohanek		Net	38320 lb
					Tons	19.16

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	19.16	Tons				
2 ENVT-ENVIRONMENTAL	100	19.16	Tons				
3 FUELT-FUEL SURCHAR	100	19.16	Tons				
4 WWMT-WASTE WATER M	100	19.16	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233480

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier TISLER
 Ticket Date 09/20/2023 Vehicle# 54 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	72040 lb
In	09/20/2023 10:47:23	Scale1	ljohanek		Tare	27280 lb
Out	09/20/2023 10:59:41	Scale1	ljohanek		Net	44760 lb
					Tons	22.38

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	22.38	Tons				
2 ENVT-ENVIRONMENTAL	100	22.38	Tons				
3 FUELT-FUEL SURCHAR	100	22.38	Tons				
4 WWMT-WASTE WATER M	100	22.38	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233482

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	75020 lb
In	09/20/2023 10:56:09	Scale1	ljohanek		Tare	30260 lb
Out	09/20/2023 11:05:44	Scale1	ljohanek		Net	44760 lb
					Tons	22.38

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	22.38	Tons				
2 ENVT-ENVIRONMENTAL	100	22.38	Tons				
3 FUELT-FUEL SURCHAR	100	22.38	Tons				
4 WWMT-WASTE WATER M	100	22.38	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233489

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 315 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	72580 lb
In	09/20/2023 11:30:48	Scale1	ljohanek		Tare	31540 lb
Out	09/20/2023 11:42:35	Scale1	ljohanek		Net	41040 lb
					Tons	20.52

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	20.52	Tons				
2 ENVT-ENVIRONMENTAL	100	20.52	Tons				
3 FUELT-FUEL SURCHAR	100	20.52	Tons				
4 WWMT-WASTE WATER M	100	20.52	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233492

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier KARLS KARLS
 Ticket Date 09/20/2023 Vehicle# C-06 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	74500 lb
In	09/20/2023 11:44:28	Scale1	ljohanek		Tare	27120 lb
Out	09/20/2023 11:58:02	Scale1	ljohanek		Net	47380 lb
					Tons	23.69

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	23.69	Tons				
2 ENVT-ENVIRONMENTAL	100	23.69	Tons				
3 FUELT-FUEL SURCHAR	100	23.69	Tons				
4 WWMT-WASTE WATER M	100	23.69	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233505

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier TISLER
 Ticket Date 09/20/2023 Vehicle# 54 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	59600 lb
In	09/20/2023 12:21:33	Scale1	ljohanek		Tare	27220 lb
Out	09/20/2023 12:32:40	Scale1	ljohanek		Net	32380 lb
					Tons	16.19

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	16.19	Tons				
2 ENVT-ENVIRONMENTAL	100	16.19	Tons				
3 FUELT-FUEL SURCHAR	100	16.19	Tons				
4 WWMT-WASTE WATER M	100	16.19	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE



Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, WI, 54247
 Ph:

Reprint
 Ticket# 1233509

Customer Name CDACITYMANITOWOC CDA OF THE C Carrier VINTONCONSTR VINTON CONSTRUCTION
 Ticket Date 09/20/2023 Vehicle# 341 Volume
 Payment Type Credit Account Container
 Manual Ticket# Driver
 Hauling Ticket# Check#
 Route Billing # 0001432
 State Waste Code A-24-33 Gen EPA ID
 Manifest *
 Destination SOUTH
 PO
 Profile DSS136221WI (CONTAMINATED SOIL)
 Generator 136-CDAOFTHECITY CDA OF THE CITY OF MANITOWOC WISCONSIN

	Time	Scale	Operator	Inbound	Gross	70500 lb
In	09/20/2023 12:51:20	Scale1	ljohanek		Tare	30180 lb
Out	09/20/2023 13:01:52	Scale1	ljohanek		Net	40320 lb
					Tons	20.16

Comments

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Dredged Sedi Soil-	100	20.16	Tons				
2 ENVT-ENVIRONMENTAL	100	20.16	Tons				
3 FUELT-FUEL SURCHAR	100	20.16	Tons				
4 WWMT-WASTE WATER M	100	20.16	Tons				

Total Tax
 Total Ticket

DRIVER'S SIGNATURE

Attachment D
River Point Development Plan Set Utility
Sheets C4.00 – C4.02

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

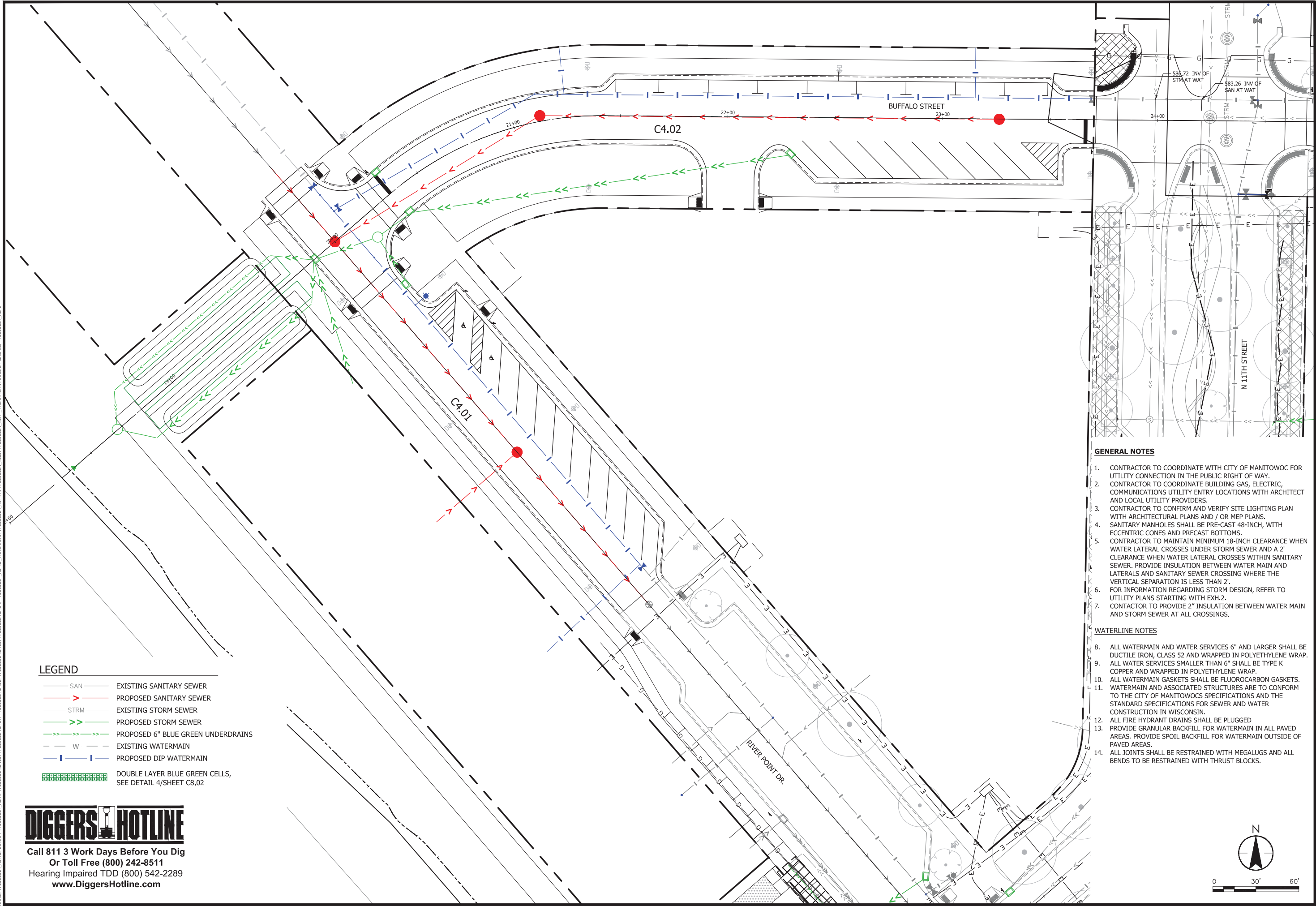
Plot Date: 06/07/2023 - 10:13am
Drawing Name: C:\p\19380824\19380824_C4.00.dwg
Xref(s): 19380824_C3NO Border, 19380824_C3KT, 19380824_C3W, 19380824_C3W1, 19380824_C3W2, 19380824_C3W3, 19380824_C3W4, 19380824_C3W5, 19380824_C3W6, 19380824_C3W7, 19380824_C3W8, 19380824_C3W9, 19380824_C3W10, 19380824_C3W11, 19380824_C3W12, 19380824_C3W13, 19380824_C3W14, 19380824_C3W15, 19380824_C3W16, 19380824_C3W17, 19380824_C3W18, 19380824_C3W19, 19380824_C3W20, 19380824_C3W21, 19380824_C3W22, 19380824_C3W23, 19380824_C3W24, 19380824_C3W25, 19380824_C3W26, 19380824_C3W27, 19380824_C3W28, 19380824_C3W29, 19380824_C3W30, 19380824_C3W31, 19380824_C3W32, 19380824_C3W33, 19380824_C3W34, 19380824_C3W35, 19380824_C3W36, 19380824_C3W37, 19380824_C3W38, 19380824_C3W39, 19380824_C3W40, 19380824_C3W41, 19380824_C3W42, 19380824_C3W43, 19380824_C3W44, 19380824_C3W45, 19380824_C3W46, 19380824_C3W47, 19380824_C3W48, 19380824_C3W49, 19380824_C3W50, 19380824_C3W51, 19380824_C3W52, 19380824_C3W53, 19380824_C3W54, 19380824_C3W55, 19380824_C3W56, 19380824_C3W57, 19380824_C3W58, 19380824_C3W59, 19380824_C3W60, 19380824_C3W61, 19380824_C3W62, 19380824_C3W63, 19380824_C3W64, 19380824_C3W65, 19380824_C3W66, 19380824_C3W67, 19380824_C3W68, 19380824_C3W69, 19380824_C3W70, 19380824_C3W71, 19380824_C3W72, 19380824_C3W73, 19380824_C3W74, 19380824_C3W75, 19380824_C3W76, 19380824_C3W77, 19380824_C3W78, 19380824_C3W79, 19380824_C3W80, 19380824_C3W81, 19380824_C3W82, 19380824_C3W83, 19380824_C3W84, 19380824_C3W85, 19380824_C3W86, 19380824_C3W87, 19380824_C3W88, 19380824_C3W89, 19380824_C3W90, 19380824_C3W91, 19380824_C3W92, 19380824_C3W93, 19380824_C3W94, 19380824_C3W95, 19380824_C3W96, 19380824_C3W97, 19380824_C3W98, 19380824_C3W99, 19380824_C3W100

LEGEND

	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	PROPOSED 6" BLUE GREEN UNDERDRAINS
	EXISTING WATERMAIN
	PROPOSED DIP WATERMAIN
	DOUBLE LAYER BLUE GREEN CELLS, SEE DETAIL 4/SHEET C8.02



Call 811 3 Work Days Before You Dig
Or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

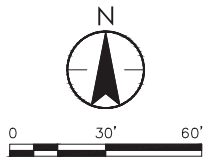


GENERAL NOTES

1. CONTRACTOR TO COORDINATE WITH CITY OF MANITOWOC FOR UTILITY CONNECTION IN THE PUBLIC RIGHT OF WAY.
2. CONTRACTOR TO COORDINATE BUILDING GAS, ELECTRIC, COMMUNICATIONS UTILITY ENTRY LOCATIONS WITH ARCHITECT AND LOCAL UTILITY PROVIDERS.
3. CONTRACTOR TO CONFIRM AND VERIFY SITE LIGHTING PLAN WITH ARCHITECTURAL PLANS AND / OR MEP PLANS.
4. SANITARY MANHOLES SHALL BE PRE-CAST 48-INCH, WITH ECCENTRIC CONES AND PRECAST BOTTOMS.
5. CONTRACTOR TO MAINTAIN MINIMUM 18-INCH CLEARANCE WHEN WATER LATERAL CROSSES UNDER STORM SEWER AND A 2' CLEARANCE WHEN WATER LATERAL CROSSES WITHIN SANITARY SEWER. PROVIDE INSULATION BETWEEN WATER MAIN AND LATERALS AND SANITARY SEWER CROSSING WHERE THE VERTICAL SEPARATION IS LESS THAN 2'.
6. FOR INFORMATION REGARDING STORM DESIGN, REFER TO UTILITY PLANS STARTING WITH EXH.2.
7. CONTRACTOR TO PROVIDE 2" INSULATION BETWEEN WATER MAIN AND STORM SEWER AT ALL CROSSINGS.

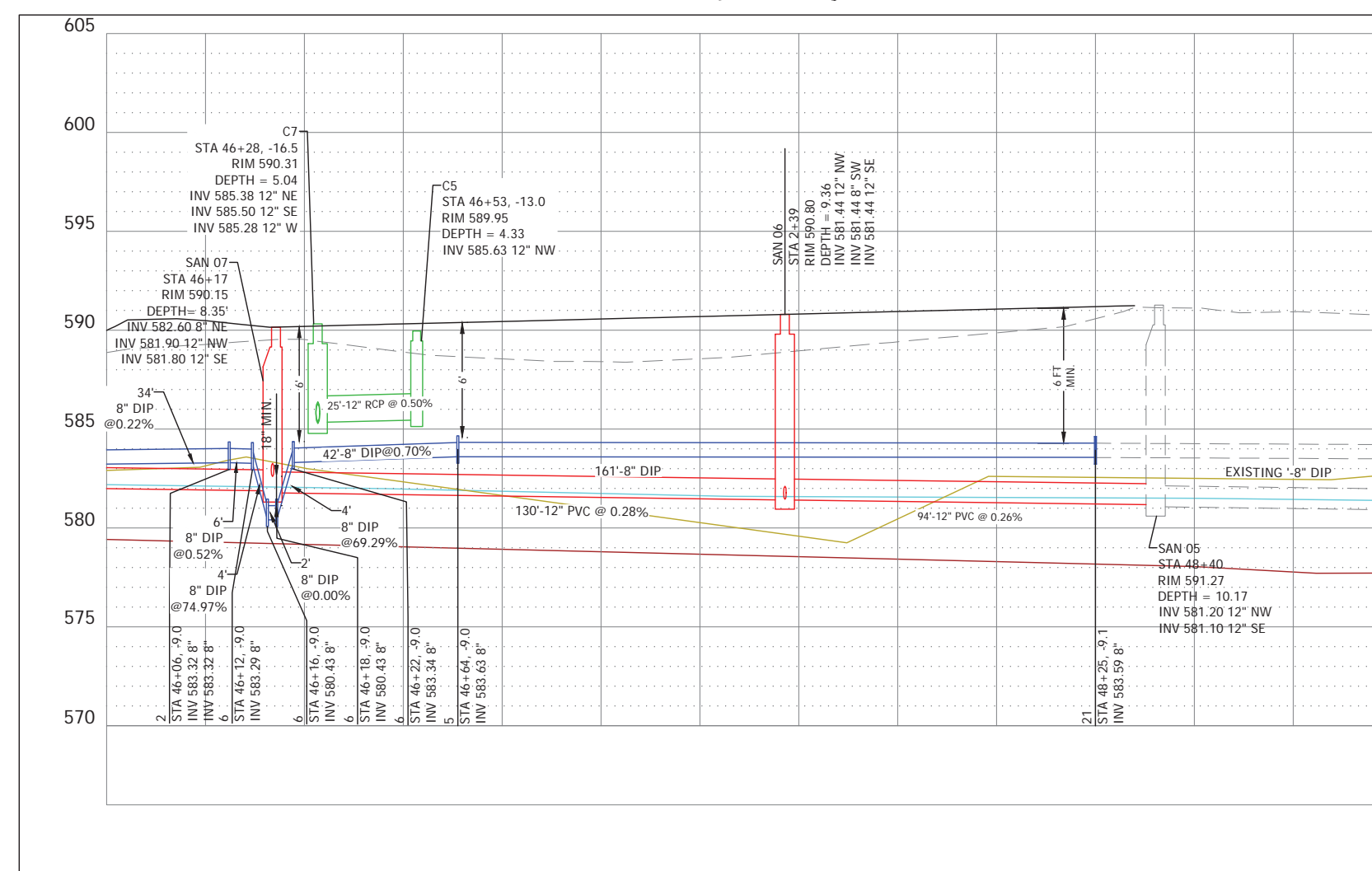
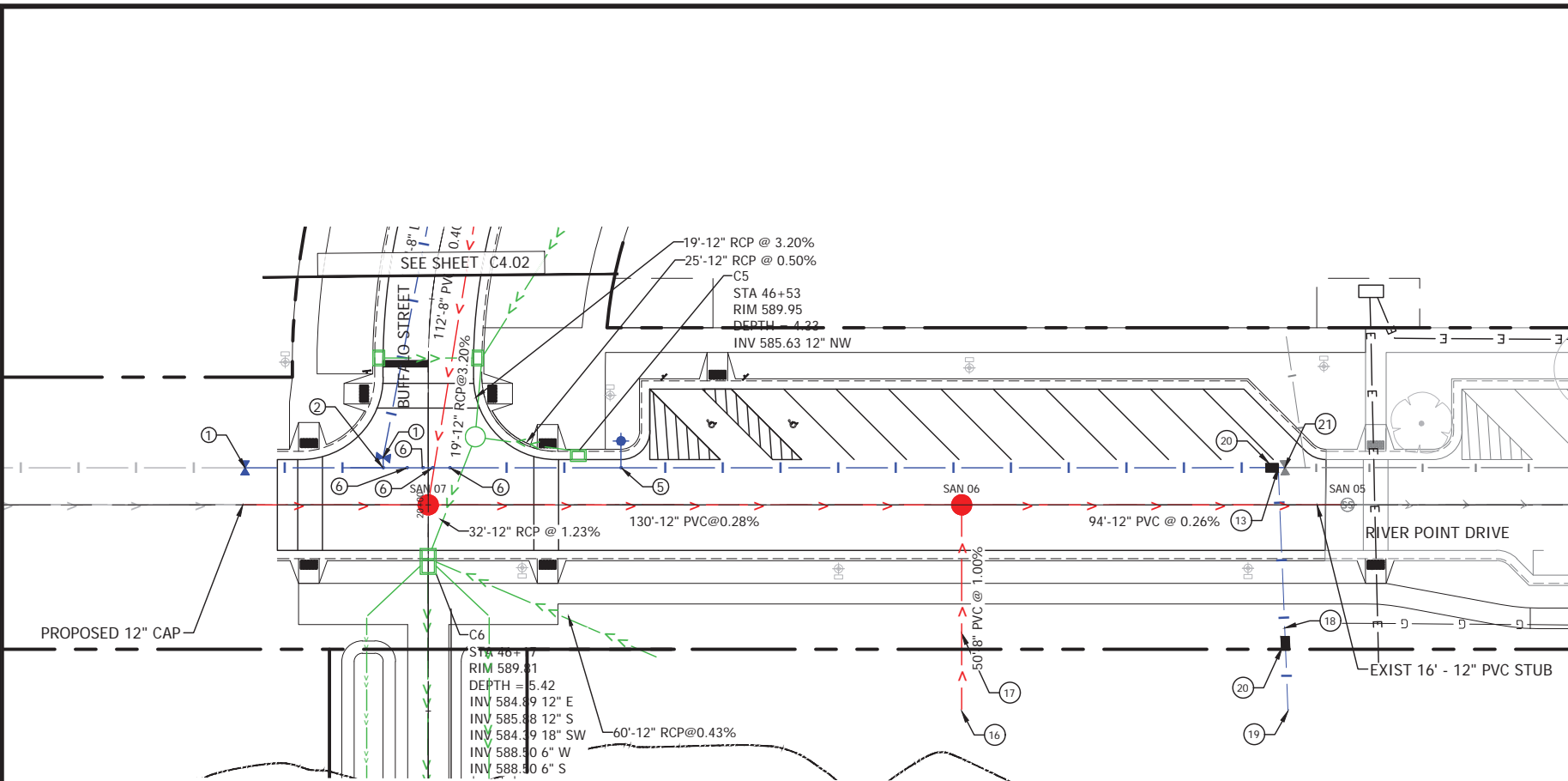
WATERLINE NOTES

8. ALL WATERMAIN AND WATER SERVICES 6" AND LARGER SHALL BE DUCTILE IRON, CLASS 52 AND WRAPPED IN POLYETHYLENE WRAP.
9. ALL WATER SERVICES SMALLER THAN 6" SHALL BE TYPE K COPPER AND WRAPPED IN POLYETHYLENE WRAP.
10. ALL WATERMAIN GASKETS SHALL BE FLUOROCARBON GASKETS.
11. WATERMAIN AND ASSOCIATED STRUCTURES ARE TO CONFORM TO THE CITY OF MANITOWOC'S SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.
12. ALL FIRE HYDRANT DRAINS SHALL BE PLUGGED
13. PROVIDE GRANULAR BACKFILL FOR WATERMAIN IN ALL PAVED AREAS. PROVIDE SPOIL BACKFILL FOR WATERMAIN OUTSIDE OF PAVED AREAS.
14. ALL JOINTS SHALL BE RESTRAINED WITH MEGALUGS AND ALL BENDS TO BE RESTRAINED WITH THRUST BLOCKS.



THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 06/12/2023 - 11:52am
 Drawing name: C:\pwworking\stntec\193805824\C4.01.dwg
 User: jstntec



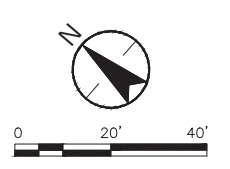
KEYNOTES

- 1 8" VALVE
- 2 8" x 8" TEE
- 3
- 4
- 5 8" x 6" TEE (FOR HYDRANTS SEE NOTE BELOW)
- 6
- 7 N/A
- 8 N/A
- 9 N/A
- 10 12" x 4" WYE
- 11 N/A
- 12 4" PVC STUB
- 13 8" x 6" TEE
- 14 N/A
- 15 6" STUB
- 16 8" PVC STUB
- 17 50 LF 8" PVC SANITARY SEWER SERVICE LINE
- 18 59 LF 6" DI WATER SERVICE LINE
- 19 6" STUB
- 20 3' CLAY CAP
- 21 CONNECT TO EXISTING 8" WATER MAIN

HYDRANTS: 8"x6", 6" WATER LINE TO HYDRANT, 6" GATE VALVE, FIRE HYDRANT ASSEMBLY. HYDRANTS MUST HAVE THEIR DRAIN PORTS PERMANENTLY PLUGGED OR BE INSTALLED WITHOUT DRAIN PORTS.

GAS/ELECTRICAL: ALL GAS AND UNDERGROUND ELECTRICAL LINES ARE SHOWN FOR REFERENCE ONLY. EXACT LOCATIONS WILL BE DETERMINED BY POWER COMPANY.

WATER: ALL WATER LINES AND SERVICE LINES TO BE WRAPPED IN POLYETHYLENE WRAP. WATERMAIN GASKETS WILL NEED TO BE FLUOROCARBON GASKETS.



LEGEND

- SAN EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- STRM EXISTING STORM SEWER
- PROPOSED STORM SEWER
- W EXISTING WATERMAIN
- PROPOSED DIP WATERMAIN

MAINTAIN MINIMUM 1' VERTICAL SEPARATION AT ALL UTILITY CROSSINGS

ID	ROADWAY STATION	MAT. TYPE	SIZE	DIST. TO LOW MH	SERVICE LENGTH	RISER	SLOPE
MH 04	50+63.16						
LAT	49+31	PVC	6 in	128.2	51		2.08%
LAT	49+03	PVC	6 in	155.9	36		2.08%
MH 05	48+40.21						

51+50 SEE SHEET C4.11

12075 N. Corporate Parkway, Suite 200
 Mequon, WI 53092
 www.stantec.com

Bid Set

UTILITY PLAN

RIVER POINT PHASE 2
 CITY OF MANITOWOC
 MANITOWOC, WISCONSIN

DATE OF ISSUANCE
 01/17/2023

NO. REVISION DATE

--	--	--	--	--	--	--

SURVEY CENTERPOINT
 DRAWN MF
 DESIGNED MF
 CHECKED MAB
 APPROVED JAW
 PROJ. NO. 193805824

SHEET NUMBER
C4.01

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR TRANSMISSION OF THIS DRAWING FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

KEYNOTES

- 1 8" VALVE
- 2 8" x 8" TEE
- 3
- 4
- 5 8" x 6" TEE (FOR HYDRANTS SEE NOTE BELOW)
- 6
- 7 N/A
- 8 N/A
- 9 N/A
- 10 12" x 4" WYE
- 11 33 LF 4" PVC SANITARY SEWER SERVICE LINE
- 12 4" PVC STUB
- 13 8" x 6" TEE
- 14 22 LF 6" DIP WATER SERVICE LINE
- 15 6" STUB

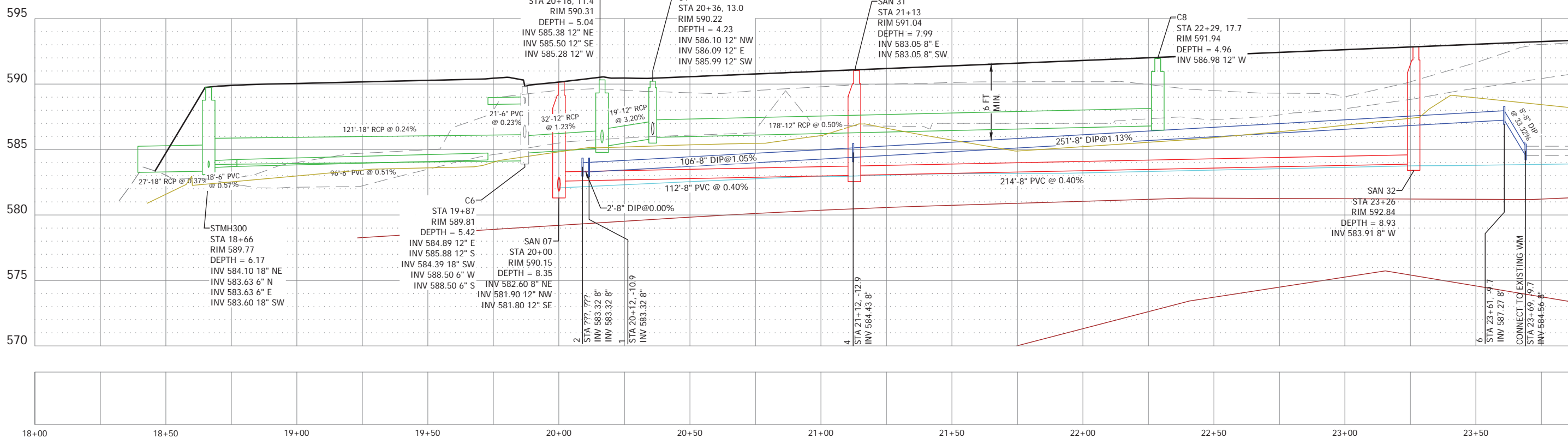
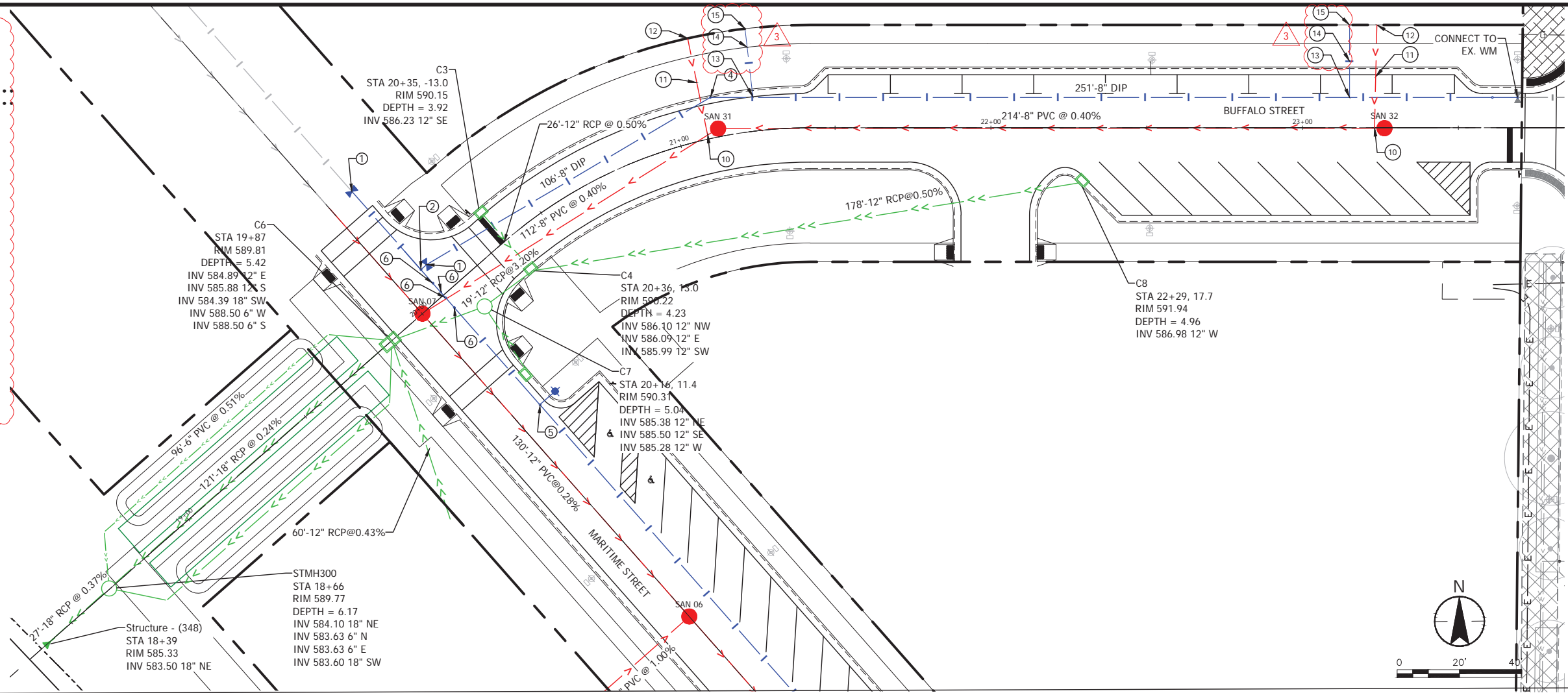
HYDRANTS: 8"x6", 6" WATER LINE TO HYDRANT, 6" GATE VALVE, FIRE HYDRANT ASSEMBLY. HYDRANTS MUST HAVE THEIR DRAIN PORTS PERMANENTLY PLUGGED OR BE INSTALLED WITHOUT DRAIN PORTS.

GAS/ELECTRICAL: ALL GAS AND UNDERGROUND ELECTRICAL LINES ARE SHOWN FOR REFERENCE ONLY. EXACT LOCATIONS WILL BE DETERMINED BY POWER COMPANY.

WATER: ALL WATER LINES AND SERVICE LINES TO BE WRAPPED IN POLYETHYLENE WRAP. WATERMAIN GASKETS WILL NEED TO BE FLUOROCARBON GASKETS.

LEGEND

- EXISTING SANITARY SEWER
 - PROPOSED SANITARY SEWER
 - EXISTING STORM SEWER
 - PROPOSED STORM SEWER
 - EXISTING WATERMAIN
 - PROPOSED DIP WATERMAIN
 - DOUBLE LAYER BLUE GREEN CELLS, SEE DETAIL 4/SHEET C8.02
- MAINTAIN MINIMUM 1' VERTICAL SEPARATION AT ALL UTILITY CROSSINGS



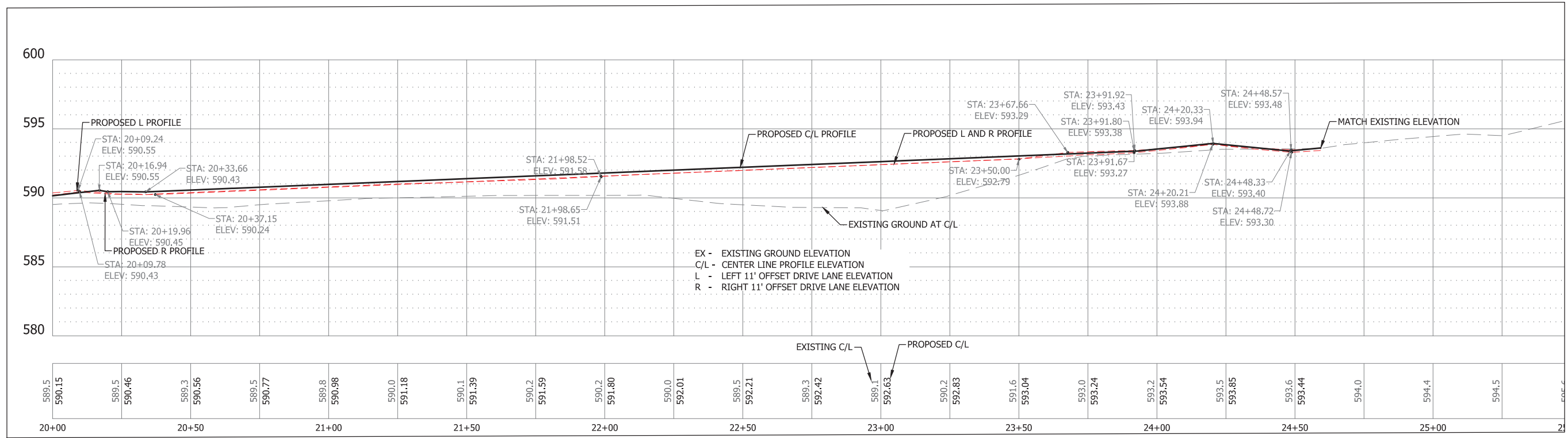
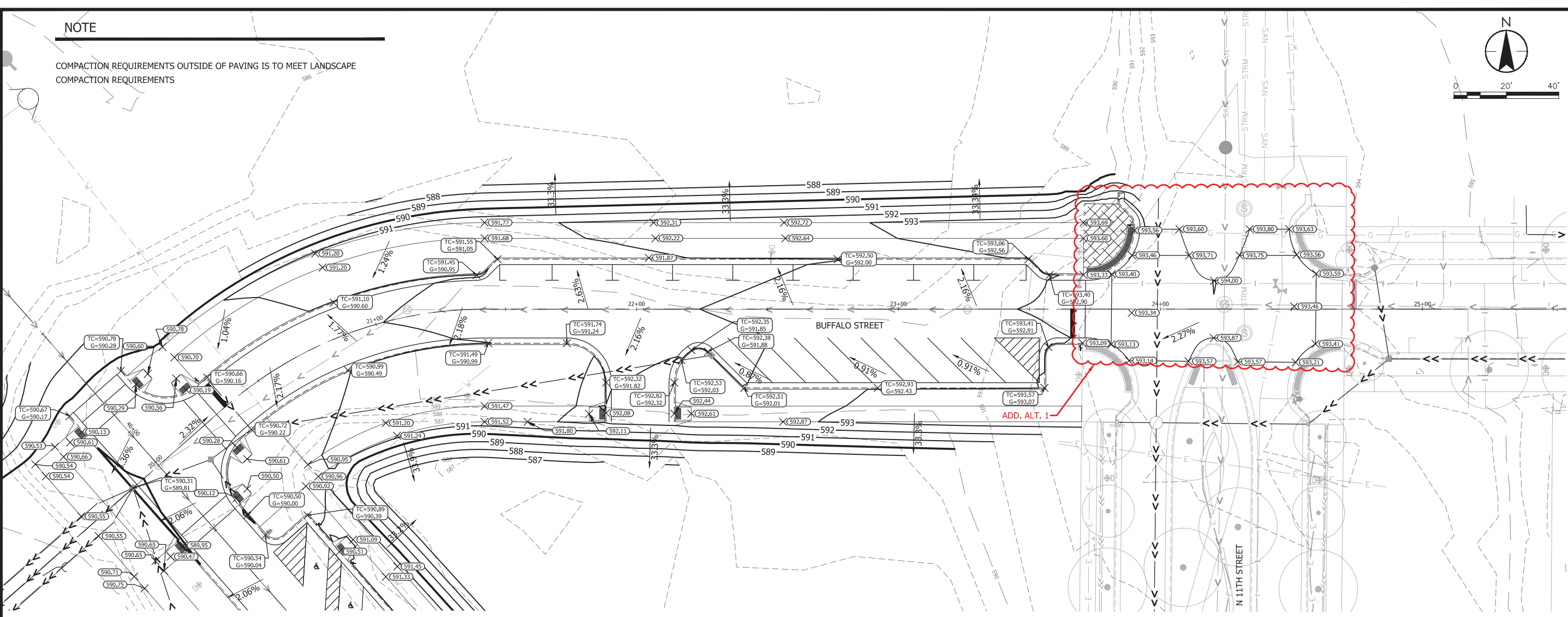
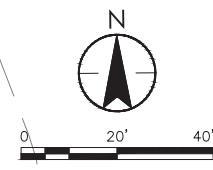
DATE OF ISSUANCE	01/17/2023
NO. REVISION	DATE
SURVEY CENTERPOINT	
DRAWN	MF
DESIGNED	MF
CHECKED	MAB
APPROVED	JAW
PROJ. NO.	193805824
SHEET NUMBER	C4.02

Attachment E
River Point Development Plan Set
Grading Plan Sheet C3.03

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. REPRODUCTION OR USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.
 Plot Date: 02/02/2023 - 4:14pm
 Drawing Name: C:\p\win\p\19380582\19380582_19380582_19380582_19380582_19380582.dwg
 Xref: 19380582_19380582_19380582_19380582_19380582_19380582.dwg

NOTE

COMPACTION REQUIREMENTS OUTSIDE OF PAVING IS TO MEET LANDSCAPE COMPACTION REQUIREMENTS



Bid Set

GRADING PLAN
 RIVER POINT PHASE 2
 CITY OF MANITOWOC
 MANITOWOC, WISCONSIN

NO.	REVISION	DATE

DATE OF ISSUANCE	01/17/2023
SURVEY	CENTERPOINT
DRAWN	JAW
DESIGNED	JAW
CHECKED	JCB
APPROVED	SMM
PROJ. NO.	193805824
SHEET NUMBER	C3.03