

From: Schmenk, Colin R -DNR
Sent: Wednesday, September 15, 2021 2:50 PM
To: Haak, Daniel; James, Andrew G - DNR; Voit, Angela; VanPrice, Kathie - DOT
Cc: Wachholz, Benjamin
Subject: RE: [EXTERNAL] RE: Final Report: Management of Contaminated Soil & Groundwater, CTH D, Oakfield, Fond du Lac Co. (WisDOT 3876-05-71)

I have reviewed this report and will file it under the active Oakfield Properties (BRRS #: 02-20-202459) case.

Thank you for your submittal.

We are committed to service excellence.

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

Colin Schmenk

Hydrogeologist – Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Ave
Green Bay, WI 54313-6727
Phone #: (920) 510-9482

ColinR.Schmenk@Wisconsin.gov



dnr.wi.gov



From: Haak, Daniel <DHaak@trccompanies.com>
Sent: Wednesday, September 15, 2021 10:18 AM
To: James, Andrew G - DNR <andrew.james@wisconsin.gov>; Voit, Angela <AVoit@trccompanies.com>; VanPrice, Kathie - DOT <Kathie.VanPrice@dot.wi.gov>
Cc: Wachholz, Benjamin <BWachholz@trccompanies.com>; Schmenk, Colin R -DNR <colinr.schmenk@wisconsin.gov>
Subject: RE: [EXTERNAL] RE: Final Report: Management of Contaminated Soil & Groundwater, CTH D, Oakfield, Fond du Lac Co. (WisDOT 3876-05-71)

**CAUTION: This email originated from outside the organization.
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Thanks Andy

From: James, Andrew G - DNR <andrew.james@wisconsin.gov>
Sent: Wednesday, September 15, 2021 9:57 AM
To: Voit, Angela <AVoit@trccompanies.com>; VanPrice, Kathie - DOT <kathie.vanprice@dot.wi.gov>
Cc: Haak, Daniel <DHaak@trccompanies.com>; Wachholz, Benjamin <BWachholz@trccompanies.com>;

Schmenk, Colin R -DNR <colinr.schmenk@wisconsin.gov>

Subject: [EXTERNAL] RE: Final Report: Management of Contaminated Soil & Groundwater, CTH D, Oakfield, Fond du Lac Co. (WisDOT 3876-05-71)

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

Thank you Angie, DNR has received your report and will respond accordingly once the review is complete. I have forwarded this to our new DOT PM, Colin Schmenk for review. For future reference, attached is a map of the counties Colin and I will be covering regarding DOT projects. DOT projects relating to the respective counties can be directed to the corresponding DOT PM for that county. We appreciate your submittal.

Thank you,
Andy James

We are committed to service excellence.

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

Andy James

Hydrogeologist
Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
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Green Bay, WI 54313
Cell: 715-527-0114
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dnr.wi.gov



From: Voit, Angela <AVoit@trccompanies.com>

Sent: Tuesday, September 14, 2021 10:19 AM

To: James, Andrew G - DNR <andrew.james@wisconsin.gov>; DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>; VanPrice, Kathie - DOT <Kathie.VanPrice@dot.wi.gov>

Cc: Haak, Daniel <DHaak@trccompanies.com>; Wachholz, Benjamin <BWachholz@trccompanies.com>

Subject: Final Report: Management of Contaminated Soil & Groundwater, CTH D, Oakfield, Fond du Lac Co. (WisDOT 3876-05-71)

CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.

Below is the link to the Final Management of Contaminated Soil & Groundwater Documentation Report for CTH D in Oakfield, Fond du Lac County. This report has also been uploaded to the WDNR RR Portal.

Please click the following link to download your file:

https://adhocftp.trccompanies.com:443/AHT/AHT_UI/public/#/password?package=H%2fwaRAA1DGk%2byRno%2fghwC5HJWk8xcMeql4OZ0K8uW9ymF3rg8tIrAXc4aIrCzADrEdN%2foggmsTndFEYqGWzwwwMgtl7JdI5AASsvUaoQTns%3d

Angie Voit

Senior Project Coordinator



708 Heartland Trail, Suite 3000, Madison, WI 53717

T 608.444.3509 | avoit@trccompanies.com

[LinkedIn](#) | [Twitter](#) | [Blog](#) | TRCcompanies.com



708 Heartland Trl.
Suite 3000
Madison, WI 53717

T 608.826.3600
TRCcompanies.com

September 14, 2021

Mr. Andrew James
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313

Subject: Management of Contaminated Soil and Groundwater Documentation Report
CTH D, Oakfield, Fond du Lac County, Wisconsin
WisDOT Project ID #3876-05-71

Dear Mr. James:

Enclosed is the documentation report for management of contaminated soil and groundwater on CTH D in Oakfield, Fond du Lac County, Wisconsin (WisDOT Project ID #3876-05-71). On the basis of the results of field observations, and field screening, the WisDOT has managed the contaminated soil and groundwater during the reconstruction of CTH D in Oakfield in accordance with the Special Provisions. TRC recommends the WisDOT take no further action to investigate or remediate the contaminated sites.

Please feel free to contact me, at 608-826-3628, if you have questions or would like to discuss in further detail.

Sincerely,

TRC

A handwritten signature in blue ink that reads "Daniel Haak".

Daniel Haak, P.E.
Project Manager

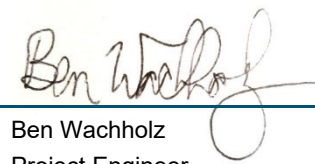
cc: Shar TeBeest – WisDOT (pdf via email)
Kathie VanPrice – WisDOT (pdf via email)




Documentation Report for Management of Contaminated Soil and Groundwater

CTH D
Oakfield, Fond du Lac County,
Wisconsin

September 2021



Ben Wachholz
Project Engineer



Daniel Haak, P.E.
Project Manager

WisDOT Project #3876-05-71

Prepared For:
Wisconsin Department of Transportation

Prepared By:
TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717



Ted O'Connell
TRC Quality Assurance

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COMMONLY USED ABBREVIATIONS AND ACRONYMS

AST	aboveground storage tank
bgs	below ground surface
BRRTS	Bureau for Remediation and Redevelopment Tracking System
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CTH	County Trunk Highway
CVOC	Chlorinated volatile organic compounds
CY	cubic yards
DATCP	Department of Agriculture, Trade and Consumer Protection
DRO	diesel range organics
FDM	Facilities Development Manual
EMP	Excavation Management Plan
ERP	Environmental Repair Program
ES	Enforcement Standards
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
GIS Registry	WDNR Geographic Information System (GIS) Registry of Closed Remediation Sites
GRO	gasoline range organics
HAZWOPER	Code of Federal Registry Chapter 29 (29 CFR) Part 1910.120 Hazardous Waste Operations and Emergency Response
HMA	Hazardous Materials Assessment
IH	Interstate Highway
LQG	large quantity generator
LUST	leaking underground storage tank
NPL	National Priorities List
NR ###	Wisconsin Administrative Code (WAC) Natural Resources (NR) Chapter ###
PAHs	polynuclear aromatic hydrocarbons
PAL	Preventive Action Limits
PCE	perchloroethylene/tetrachloroethylene
PID	photoionization detector
PVOCs	petroleum volatile organic compounds
RCLs	Residual Contaminant Levels in NR 720
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
R/W or ROW	right-of-way
sf	square feet
STH	State Trunk Highway
TCE	trichloroethylene
TRIS	Toxic Chemical Release Inventory System
USGS	United States Geological Survey
USH	United States Highway
UST	underground storage tank
VOCs	volatile organic compounds
WDNR	Wisconsin Department of Natural Resources
WisDOT	Wisconsin Department of Transportation
WGNHS	Wisconsin Geological and Natural History Survey
WI ERP	Wisconsin Environmental Repair Program database

Executive Summary

The WisDOT reconstructed a portion of CTH D, between CTH Y and North School Street in the Village of Oakfield, Fond du Lac County, Wisconsin (WisDOT ID #3876-05-71). Soil was excavated to a maximum depth of 15 feet below ground surface (bgs) for the reconstruction of the roadway and installation of storm and sanitary sewer pipes, and water main improvements. The Special Provisions described requirements for the management of potentially contaminated soil and groundwater. The WisDOT retained TRC Environmental Corporation (TRC) to provide construction management services for this project. TRC observed the highway contractor (Vinton Construction) during excavation of potentially contaminated soil.

A Phase 1 HMA investigation was completed along the construction corridor by WisDOT and MSA Professional Services, Inc. in December 2018. TRC reviewed the results of this investigation, previous site investigations, and the current WisDOT plans, and determined that two sites required additional assessment through a Phase 2.5 Investigation. In September 2019, TRC completed a Phase 2.5 Investigation of two sites within the CTH D corridor in order to identify and determine the nature and extent of soil and/or groundwater contamination. Based on these investigations, potentially contaminated soil and/or groundwater was expected to be encountered during construction at one location:

- **Chlorinated VOC contamination**

- **E. Church Street** - Station 23+50 to 24+00, from reference line to limits on RT

TRC was onsite on various dates to observe and field-screen potentially contaminated soil. Contaminated soil encountered at various locations throughout the project corridor was excavated and hauled off-site and select backfill was imported. A total of 170.66 tons of CVOC-contaminated soil (chlorinated volatile organic compounds) soil was disposed at Glacier Ridge Landfill in Horicon, Wisconsin. No groundwater was encountered that required removal in the contaminated areas.

On the basis of the results of field observations, field-screening, the WisDOT managed the contaminated soil during the reconstruction of CTH D in Oakfield in accordance with the Special Provisions. TRC recommends the WisDOT take no further action to investigate or remediate the contaminated sites.

1.0 Introduction

1.1 Background

The WisDOT reconstructed a portion of CTH D, between CTH Y and North School Street in the Village of Oakfield, Fond du Lac County, Wisconsin (WisDOT ID #3876-05-71). Soil was excavated to a maximum depth of 15 feet below ground surface (bgs) for the reconstruction of the roadway and installation of storm and sanitary sewer pipes, and water main improvements. The highway reconstruction required acquisition of additional ROW, including temporary limited easement at the sites of concern. Appendix A includes the project's Special Provisions for the Management of Contaminated Soil and Groundwater and a copy of the WDNR's concurrence. Appendix B includes construction plans for the areas of the contaminated soil and groundwater management.

The WisDOT retained TRC to provide construction oversight of contaminated soil and groundwater management for this project. A photographic log documenting site activity is included in Appendix C.

1.2 Contamination Management

A Phase 1 HMA investigation was completed along the construction corridor by WisDOT and MSA Professional Services, Inc. in December 2018. TRC reviewed the results of this investigation, previous site investigations, and the current WisDOT plans, and determined that two sites required additional assessment through a Phase 2.5 Investigation. In September 2019, TRC completed a Phase 2.5 Investigation of two sites within the CTH D corridor in order to identify and determine the nature and extent of soil and/or groundwater contamination. Based on these investigations, potentially contaminated soil and/or groundwater was expected to be encountered during construction at one location:

- **Chlorinated VOC contamination**
 - **E. Church Street** - Station 23+50 to 24+00, from reference line to limits on RT

1.3 Purpose

TRC observed the highway contractor, Vinton Construction, during reconstruction of CTH D and the affected utilities in order to manage the potentially contaminated soil and groundwater onsite. This report summarizes TRC's activities and findings during the highway reconstruction and documents the proper treatment and disposal of contaminated media from the project corridor.

2.0 Field Summary

2.1 Soil Contamination

TRC observed Vinton Construction during the reconstruction of CTH D and the affected utilities within the areas of potential CVOC-contaminated soil onsite.

TRC personnel were onsite to field-screen excavated soil on various dates from March 24, 2021 through March 30, 2021. In accordance with the Special Provisions, TRC personnel observed

excavations in areas of potential CVOC-contaminated soil. TRC personnel field-screened soil based on visual observations, odor, and through the use of a PID. PID field screening results are included in Table 1 and extents of landfilled soils are shown on Figure 2. A total of 170.66 tons of CVOC-contaminated soil was disposed at Glacier Ridge Landfill. No petroleum-contaminated soil was encountered during this project. Soil disposal records are included in Appendix D. A summary of the contaminated soil encountered at the various sites is included below.

2.1.1 CTH D/E. Church Street

Contaminated soil was encountered in CTH D/E. Church Street during the following activities:

- Sanitary sewer pipe excavation from approximately 23+40 to 24+75, at approximately 6 to 14 ft. bgs

2.2 Groundwater Contamination

No contaminated groundwater requiring special management was encountered during the excavation and installation of sanitary sewer pipes in the areas described in Sections 1.2 and 2.1.1.

3.0 Conclusions

TRC was onsite on various dates to field-screen potentially contaminated soil and groundwater during reconstruction. Contaminated soil encountered during excavations was hauled off-site and select backfill was imported. A total of 170.66 tons of CVOC-contaminated soil was disposed at Glacier Ridge Landfill in Horicon, Wisconsin. No groundwater was encountered that required removal in the contaminated areas.

On the basis of the results of field observations and field screening, the WisDOT managed the contaminated soil during the reconstruction of CTH D in Oakfield and fulfilled their commitment to manage the contaminated soil and groundwater in accordance with the approved Special Provisions. TRC recommends the WisDOT take no further action to investigate or remediate any of the contaminated sites discussed above.

Table 1: Summary of Soil Field-Screening Results
CTH D, Oakfield, Fond du Lac County, Wisconsin
WisDOT Project ID #3786-05-71

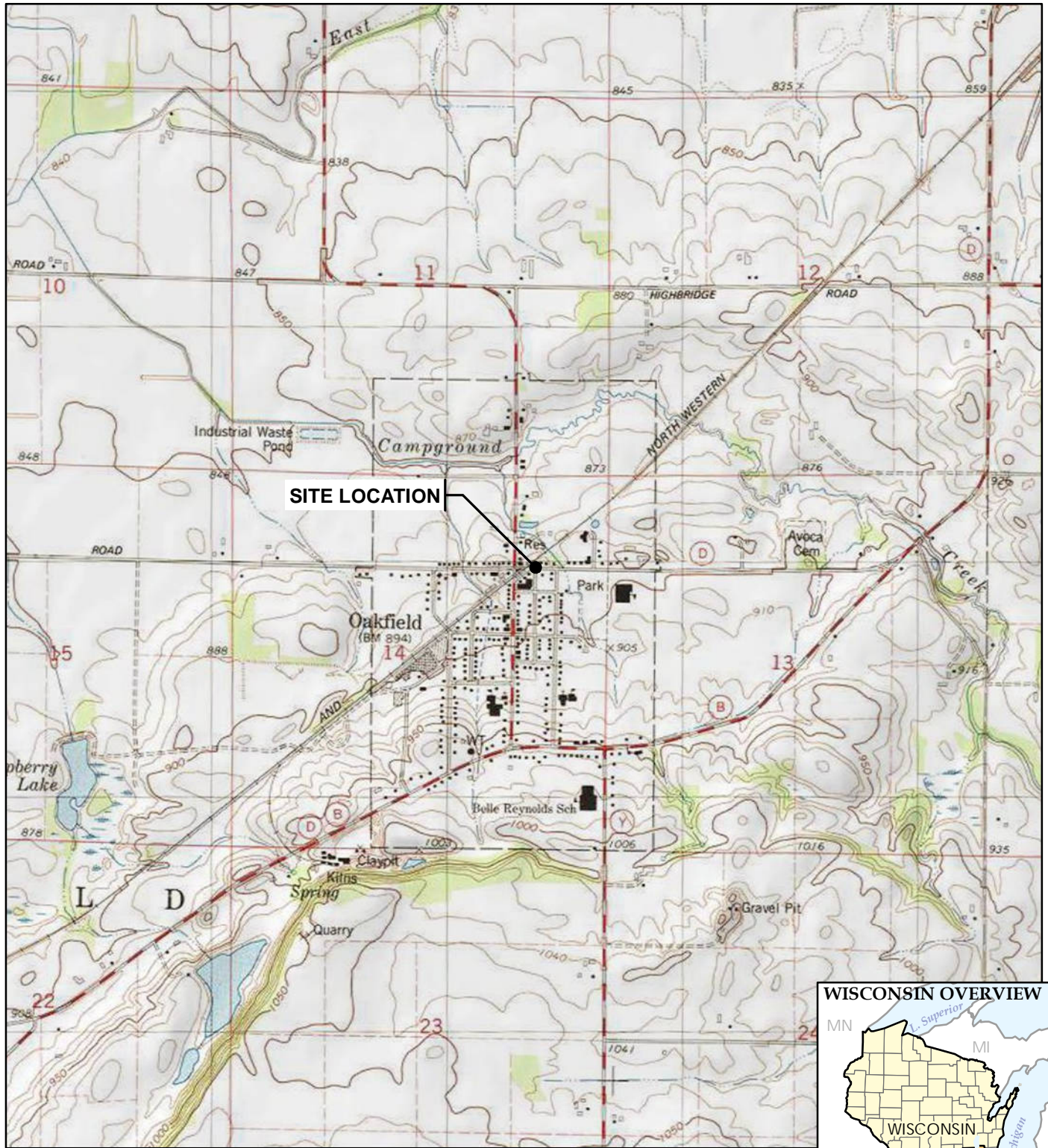
DATE	UTILITY	SITE	APPROX. STATION	LEFT/RIGHT OF REF. LINE	DEPTH (feet BGS)	PID (ppm)	ODOR	SOIL DESCRIPTION
3/24/2021	Sanitary	1	22+50	0	4-5	<1	none	brown coarse sand
			22+50	0	7-8	<1	none	brown sand, moist
			22+65	0	6-7	<1	none	brown sand, moist
			22+65	0	8-9	<1	none	brown sand and clay
3/25/2021	Sanitary	1	22+85	0	4-5	<1	none	brown coarse sand
			22+85	0	7-8	<1	none	brown sand and clay, moist
			23+05	0	8-9	<1	none	brown sand and clay, moist
			23+05	0	11-12	<1	none	brown sand and clay, wet
			23+20	0	10-11	<1	none	brown sand and clay, wet
			23+30	0	10-11	<1	none	brown sand and clay, wet
3/26/2021	Sanitary	1	23+35	0	6-7	<1	none	gray sandy clay
			23+40	0	5-6	4.0	none	gray sandy clay, moist
			23+40	0	11-12	20.0	none	gray sandy clay, wet
			23+45	0	7-8	20.0	none	gray sandy clay, moist
			23+50	0	6-7	200	none	gray sandy clay
			23+60	0	8-9	191.2	none	gray sandy clay, wet
			23+65	0	8-9	220.5	none	gray sandy clay, wet
			23+70	0	7-8	22.3	none	gray sandy clay, wet
3/29/2021	Sanitary	1	23+65	0	3-4	<1	none	brown coarse sand, moist
			23+80	0	4-5	<1	none	brown coarse sand, moist
			23+85	0	7-8	<1	none	brown gravel, wet
			23+85	0	9-10	24.1	none	gray clay and sand, wet
			23+90	0	12-13	2.6	none	black/green sand and gravel, wet
			24+00	0	12-13	5.7	none	gray clay and sand, wet
			24+10	0	4-5	<1	none	brown/black sand, moist
3/30/2021	Sanitary	1	24+15	0	11-12	3.8	none	gray clay and sand, wet
			24+25	0	11-12	5.6	none	gray clay and sand, wet
			24+35	0	11-12	2.8	none	gray clay and sand, wet
			24+40	0	12-13	1.2	none	gray clay and sand, wet
			24+50	0	12-13	2.5	none	gray clay and sand, wet
			24+65	0	11-12	1.1	none	gray clay and sand with more stones, moist
			24+70	0	11-12	<1	none	green and gray dense sand with some clay, moist
			24+75	0	12-14	<1	none	green and gray very dense sand with some clay and large rocks, moist

Notes:

1. bgs = below ground surface
2. PID = photoionization detector
3. ppm = parts per million
4. Sample results recorded as <1 ppm are generally deemed to be false detections due to influence from sample container, ambient air, moisture, etc.
5. -- = information not recorded

Created by: B. Wachholz 6/15/21

Checked by: R. Adamec 6/18/21



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.



PROJECT:

**WISDOT ID# 3876-05-71
CTH D
OAKFIELD, FOND DU LAC COUNTY, WISCONSIN**

TITLE:

SITE LOCATION MAP

DRAWN BY:

R. SUENMICH

CHECKED BY:

B. WACHHOLZ

APPROVED BY:

D. HAAK

DATE:

SEPTEMBER 2021

PROJ. NO.:

421198

FILE:

421198_001slm.mxd

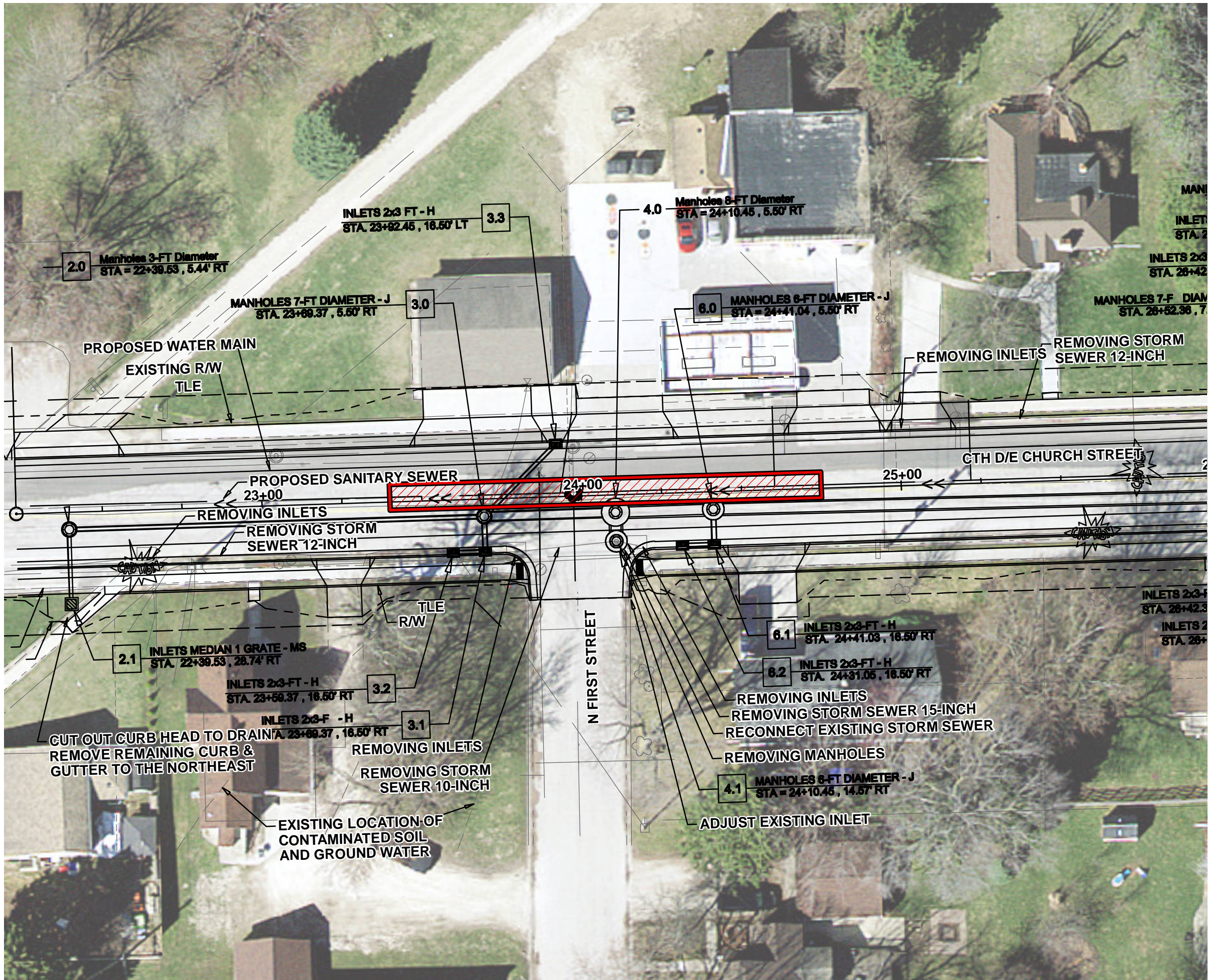
FIGURE 1

TRC - GIS

TRC - GIS

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
Map Rotation: 0

Plot Date: 9/14/2021, 08:43:42 AM by AHORRIE -- LAYOUT: ANSI B(11"x17")
Path: S:\1-PROJECTS\WI DOT\2019_347145_Oakfield\421198_002.mxd

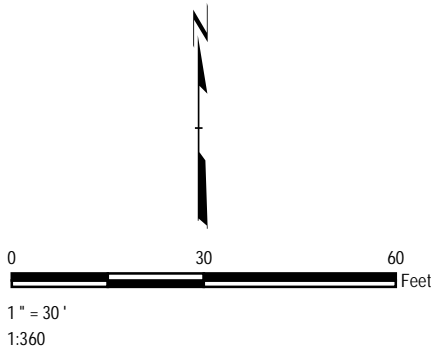



LEGEND

 CVOCs CONTAMINATED AREA FROM 6 TO 14 FT. BGS

NOTES

1. BASE MAP IMAGERY FROM FOND DU LAC COUNTY, 2020.
2. MAP PROJECTION AND GRID COORDINATES ARE NAD 83 STATE PLANE WISCONSIN SOUTH (US SURVEY FEET).
3. CONSTRUCTION PLANS PROVIDED BY WISDOT. LOCATIONS ARE APPROXIMATE.
4. TRC WAS ONSITE FIELD-SCREENING BETWEEN MARCH 24-30, 2021.



PROJECT:		WISDOT ID# 3876-05-71 CTH D OAKFIELD, FOND DU LAC COUNTY, WISCONSIN	
TITLE: CONTAMINATED SOIL EXTENTS			
DRAWN BY:	R. SUEMNICHT	PROJ NO.:	421198
CHECKED BY:	B. WACHHOLZ	FIGURE 2	
APPROVED BY:	D. HAAK		
DATE:	SEPTEMBER 2021		
		708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com	
FILE NO.:		421198_002.mxd	

Appendix A: Special Provisions and WDNR Concurrence

HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
06/2017 s.66.0901(7) Wis. Stats

Proposal Number: **017**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Fond Du Lac	3876-05-71	WISC 2021035	V Oakfield, Cth D; Cth Y - N. School Street	CTH D

This proposal, submitted by the undersigned bidder to the Wisconsin Department of Transportation, is in accordance with the advertised request for proposals. The bidder is to furnish and deliver all materials, and to perform all work for the improvement of the designated project in the time specified, in accordance with the appended Proposal Requirements and Conditions.

Proposal Guaranty Required: \$75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: December 8, 2020 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time September 15, 2021	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 11%	This contract is exempt from federal oversight.

This certifies that the undersigned bidder, duly sworn, is an authorized representative of the firm named above; that the bidder has examined and carefully prepared the bid from the plans, Highway Work Proposal, and all addenda, and has checked the same in detail before submitting this proposal or bid; and that the bidder or agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal bid.

Do not sign, notarize, or submit this Highway Work Proposal when submitting an electronic bid on the Internet.

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

(Print or Type Name, Notary Public, State Wisconsin)

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

Type of Work: Grading, Base, Milling, Asphalt Pavement, Culvert Pipe, Storm Sewer, Curb and Gutter, Sidewalk, Concrete Driveway, Water Main, Sanitary Sewer, Fence, Sings, Pavement Markings	For Department Use Only
Notice of Award Dated	Date Guaranty Returned

Geotextile Type HR will be paid for under the Geotextile Type HR bid item. Top soil and seed placed in the ACB voids will be paid for separately under respective bid items.

27. Excavation, Hauling, and Disposal of Contaminated Soil, Item SPV.0195.01.

A Description

A.1 General

This special provision describes excavating, loading, hauling, treatment, and disposing of contaminated soil at a WDNR-licensed disposal facility. The closest WDNR-licensed disposal facility is:

Glacier Ridge Landfill – Horicon, WI

N7296 Hwy V

Horicon, Wisconsin 53032

Waste Management Valley Trail Landfill

N9101 Willard Road

Berlin, Wisconsin 54923

Perform this work according to standard spec 205 and with pertinent parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil and Groundwater Locations

The department completed testing for soil contamination for locations within this project where excavation is required.

Contaminated soil is potentially present at the following location:

- 201 N. Main Street – Station 23+50 to Station 24+00 from reference line to project limits right.

Contaminated soils and/or underground storage tanks (USTs) may be encountered at other locations within the construction limits. If contaminated soils and/or USTs are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer and the environmental consultant. Contaminated soil at other locations shall be managed by the contractor under this contract. USTs will be removed by others.

For further information regarding previous investigation and remediation activities at these sites contact:

Name: Daniel Haak
Address: TRC Environmental Corporation
708 Heartland Trail, Suite 3000, Madison, WI 53717
Phone: (608) 826-3628
Fax: (608) 826-3941
E-mail: dhaak@trccompanies.com

A.3 Coordination

Coordinate work under this Contract with the environmental consultant retained by the department:

Consultant: TRC Environmental Corporation
Contact: Mr. Dan Haak
Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717
Phone: (608) 826-3628
Fax: (608) 826-3941
E-mail: dhaak@trccompanies.com

The role of the environmental consultant will be limited to:

1. Determining the location and limits of contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;
2. Identifying contaminated soils to be hauled to the disposal facility;
3. Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein;
4. Obtaining the necessary approvals for disposal of contaminated soil from the disposal facility;
5. Determining the location and limits of contaminated water based on groundwater analytical results from previous investigations, visual observations, and/or field screening; and
6. Documenting that activities associated with management of contaminated water are in conformance with the contaminated water management methods for this project as specified herein.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify the environmental consultant at least three calendar days prior to commencement of excavation activities in each of the contaminated areas.

Identify the DNR approved disposal facility that will be used for disposal of contaminated soils and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals for disposal of contaminated soils from the disposal facility.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation activities in the contaminated areas. Perform excavation work in each of the contaminated areas on a continuous basis until excavation work is completed. Do not transport contaminated soil or pump contaminated groundwater offsite without prior approval from the environmental consultant.

A.4 Protection of Groundwater Monitoring Wells

Groundwater monitoring wells may be present within the construction limits. Protect all groundwater monitoring wells to maintain their integrity. Adjust wells that do not conflict with utilities, structures, curb and gutter, etc. to be flush with the final grade. For wells that conflict with the previously mentioned items, notify the environmental consultant, and coordinate with the environmental consultant for the abandonment or adjustment of the wells by others. The environmental consultant will provide maps indicating the locations of all known monitoring wells, if requested by the contractor.

A.5 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off-site disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR's concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding the investigations, including waste characterization within the project limits, contact Kathie Van Price with the department, at (920) 492-7175.

A.6 Health and Safety Requirements

Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter soil contaminated with gasoline, diesel fuel, fuel oil, or other petroleum related products; polycyclic aromatic hydrocarbons; and chlorinated solvents. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer prior to the start of work.

Disposal of contaminated soil at the bioremediation and disposal facility is subject to the facility's safety policies.

B (Vacant)

C Construction

Supplement standard spec 205.3 with the following:

The environmental consultant will periodically examine excavated soil during excavations in the areas of known soil contamination within the construction limits.

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated and to ensure that excavations do not extend beyond the minimum required to construct utilities and highway improvements unless expressly directed to do so by the engineer.

The environmental consultant will periodically evaluate soil excavated from the contaminated areas to determine if the soil will require offsite disposal or can be beneficially re-used on-site. The environmental consultant will evaluate excavated soil based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment. The sampling frequency shall be a maximum of one sample for every 20 cubic yards excavated.

On the basis of the results of such field-screening, the material will be designated for disposal as follows:

- Excavation Common consisting of clean soil and/or clean construction and demolition fill (such as clean soil, boulders, concrete, reinforced concrete, bituminous pavement, bricks, building stone, and unpainted or untreated wood), which under NR 500.08 are exempt materials, or
- Low-level contaminated material for reuse as fill within the construction limits, or
- Contaminated soil for off-site disposal at the WDNR-licensed disposal facility, or
- Potentially contaminated for temporary stockpiling and additional characterization prior to disposal.

Some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of contaminated soil on-site that require additional characterization. Construct and maintain a temporary stockpile of the material according to NR 718.05(3), including, but not limited to, placement of the contaminated soil/fill material on an impervious surface and covering the stockpile with impervious material to prevent infiltration of precipitation. The department's environmental consultant will collect representative samples of the stockpiled material, laboratory-analyze the samples, and advise the contractor, within 10 business days of the construction of the stockpile, of disposal requirements. The stockpiled material shall be disposed either at the WDNR-licensed disposal facility by the contractor or, if characterized as hazardous waste, by the department. As an alternative to temporarily stockpiling contaminated soil/fill material that requires additional characterization, the contractor has the option of suspending excavation in those areas where such soil is encountered until such time as characterization is completed.

Directly load and haul soils designated by the environmental consultant for off-site disposal to the DNR approved disposal facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids. Verify that the vehicles used to transport contaminated material are licensed for such activity according to applicable state and federal regulations.

When material is encountered outside the above-identified limits of known contamination that appears to have been impacted with petroleum products, or when other obvious potentially contaminated materials are encountered or material exhibits characteristics of industrial-type wastes, such as fly ash, foundry sand, and cinders, or when underground storage tanks are encountered, suspend excavation in that area and notify the engineer and the Environmental Consultant.

Groundwater is likely to be present within the construction limits. Employ construction methods and techniques in a manner that will minimize the need for dewatering, and if dewatering is required, minimize the volume of water generated. Take measures to limit groundwater, surface water, and precipitation from entering and exiting excavations in the areas of contamination. Such measures, which may include berming, ditching, or other means, shall be maintained until construction of utilities in the areas of contamination are complete.

Notify the environmental consultant prior to pumping contaminated groundwater.

The Village of Oakfield Wastewater Treatment Plant will determine if disposal of groundwater generated from the contaminated areas can be discharged into the sanitary sewer. Contact the village of Oakfield Wastewater Treatment Plant at 920-539-6724 prior to the discharge of contaminated groundwater to the sanitary sewer. The village of Oakfield may impose a sanitary sewer use fee and flow restrictions.

In lieu of disposal of groundwater generated from the contaminated areas in the sanitary sewer to the village of Oakfield Wastewater Treatment Plant, pump contaminated water that exceeds surface water discharge limits, as determined by environmental consultant, into temporary holding tanks provided by others or an alternative discharge point as determined by the environmental consultant, as necessary to complete construction. Allow contaminated water encountered, but not requiring removal as a standard course of construction, to remain in-place and do not manage according to this special provision.

The environmental consultant will coordinate approval of contaminated water hauling and disposal. Only pump contaminated groundwater if the environmental consultant is on-site.

Discharging contaminated groundwater to any location other than that approved and provided by the environmental consultant, is at the contractor's cost. If the contractor chooses alternate discharge, at the contractor's cost, obtain DNR concurrence on any dewatering plans, and provide and operate any and all treatment and discharge equipment required.

Ensure continuous dewatering and excavation safety at all times. Provide, operate, and maintain adequate pumping equipment and drainage and disposal facilities. Notify the engineer of any dewatering activities and obtain any permits necessary to discharge water. Provide copies of such permits to the engineer. Meet any requirements and pay any costs for obtaining and complying with such permit use. Follow all applicable legislative statutes, judiciary decisions, and regulations of the State of Wisconsin.

Cost for contaminated groundwater collection and disposal is incidental to the project.

D Measurement

The department will measure Excavation, Hauling, and Disposal of Contaminated Soil in tons of contaminated soil accepted by the disposal facility as documented by weight tickets generated by the disposal facility.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Excavation, Hauling, and Disposal of Contaminated Soil	TON

Payment is full compensation for excavating, segregating, loading, hauling, treatment, and disposal of contaminated soil; tipping fees including applicable taxes and surcharges; obtaining solid waste collection and transportation service operating licenses; assisting in the collection of soil samples for field evaluation; and dewatering of soils prior to transport, if necessary.



Proposal Schedule of Items

Page 12 of 12

Proposal ID: 20201208017 Project(s): 3876-05-71

Federal ID(s): WISC 2021035

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0342	SPV.0090 Special 02. Sanitary Lateral (Pipe Bursting)	750.000 LF	_____.	_____.
0344	SPV.0090 Special 03. Water Service 1-Inch to 2-Inch	220.000 LF	_____.	_____.
0346	SPV.0090 Special 04. Sanitary Sewer Pipe 8-Inch	200.000 LF	_____.	_____.
0348	SPV.0090 Special 05. Sanitary Sewer pipe 15-Inch	2,250.000 LF	_____.	_____.
0350	SPV.0090 Special 06. Sanitary Sewer Televising	2,450.000 LF	_____.	_____.
0352	SPV.0090 Special 07. PVC Water Main 6-Inch	50.000 LF	_____.	_____.
0354	SPV.0090 Special 08. PVC Water Main 8-Inch	250.000 LF	_____.	_____.
0356	SPV.0090 Special 09. PVC Water Main 12-Inch	1,500.000 LF	_____.	_____.
0358	SPV.0090 Special 10. Fence Chain Link Polymer Coated 5-FT Ground Mounted	710.000 LF	_____.	_____.
0360	SPV.0090 Special 11. Remove and Salvage Railing	9.000 LF	_____.	_____.
0362	SPV.0105 Special 01. Temporary Water Service	LS	LUMP SUM	_____.
0364	SPV.0180 Special 01. Articulated Concrete Block	113.000 SY	_____.	_____.
0366	SPV.0195 Special 01. Excavation, Hauling, and Disposal of Contaminated Soil	200.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

Niesen, Melanie

From: Femal, Kristina A - DNR <Kristina.Femal@wisconsin.gov>
Sent: Thursday, February 20, 2020 9:58 AM
To: Haak, Daniel
Cc: TeBeest, Sharlene - DOT; VanPrice, Kathie - DOT; Lauridsen, Keld B - DNR
Subject: [EXTERNAL] WDNR Concurrence to Special Provisions and Excavation Management Plan for WisDOT Project # 3876-05-00

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

Hello,

Review of the report titled "Phase 2.5 Investigation, CTH D Corridor, CTH Y to N. School Street, Oakfield, Fond du Lac County, Wisconsin" dated December 2019, and related to WisDOT Project # 3876-05-00, has been completed by the WDNR. This report was prepared by TRC Companies, Inc. for the WisDOT.

Chlorinated VOC contamination in soil and groundwater identified in the E. Church Street ROW in the vicinity of geoprobe boring GP-05, GP-06 and GP-07 and temporary well TW-06 is consistent with what would be expected downgradient of the Oakfield Properties contamination case (BRRS # 02-20-202459). The Oakfield Properties site is an open case with chlorinated VOC impacts known to extend in the direction of GP-05, GP-06/TW-06 and GP-07. Based on what is known from this case file, chlorinated VOC contamination may extend beyond Stations 23+50 to 24+00 on E. Church Street. WDNR recommends this be taken into consideration during field screening and excavation of material in this area.

WDNR concurs with:

- Characterization of the contaminated soil and groundwater being generated in E. Church Street.
- Reuse of low-level contaminated soil located in the ROW, back in the ROW, in the general vicinity and depth where it was excavated.
- Disposal of excavated higher-level contaminated soil at a licensed landfill.
- Dewatering to the sanitary sewer with prior approval from the Village of Oakfield.
- Containerization of any contaminated groundwater generated during the construction activities for proper off-site disposal at a licensed facility if approval from the Village of Oakfield to discharge to their sanitary sewer is not granted.

WDNR recommends stockpiling and sampling in accordance with Wis. Admin. Code ch. NR 718 if any potentially contaminated material is encountered which has not previously been identified in this report. WDNR recommends utilizing the "Exempt Soil Guidance" to make a generators determination of any potentially contaminated material.

The WDNR is requesting documentation be submitted upon completion of the proposed activities such as laboratory reports, waste disposal documentation and final surface cover over known contamination.

Provided these and all other conditions of the above-listed document are specifically adhered to as related to the roadwork project, this correspondence is intended to convey WDNR's concurrence with the Special Provisions and Excavation Management Plan as outlined in the Phase 2.5 Investigation Report.

Please let me know if I can be of further assistance.

Warm Regards,
Kristina

We are committed to service excellence.

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

Kristina Femal

Hydrogeologist — Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

Green Bay, WI 54313

Phone: (920) 662-5431

Kristina.Femal@wisconsin.gov



dnr.wi.gov



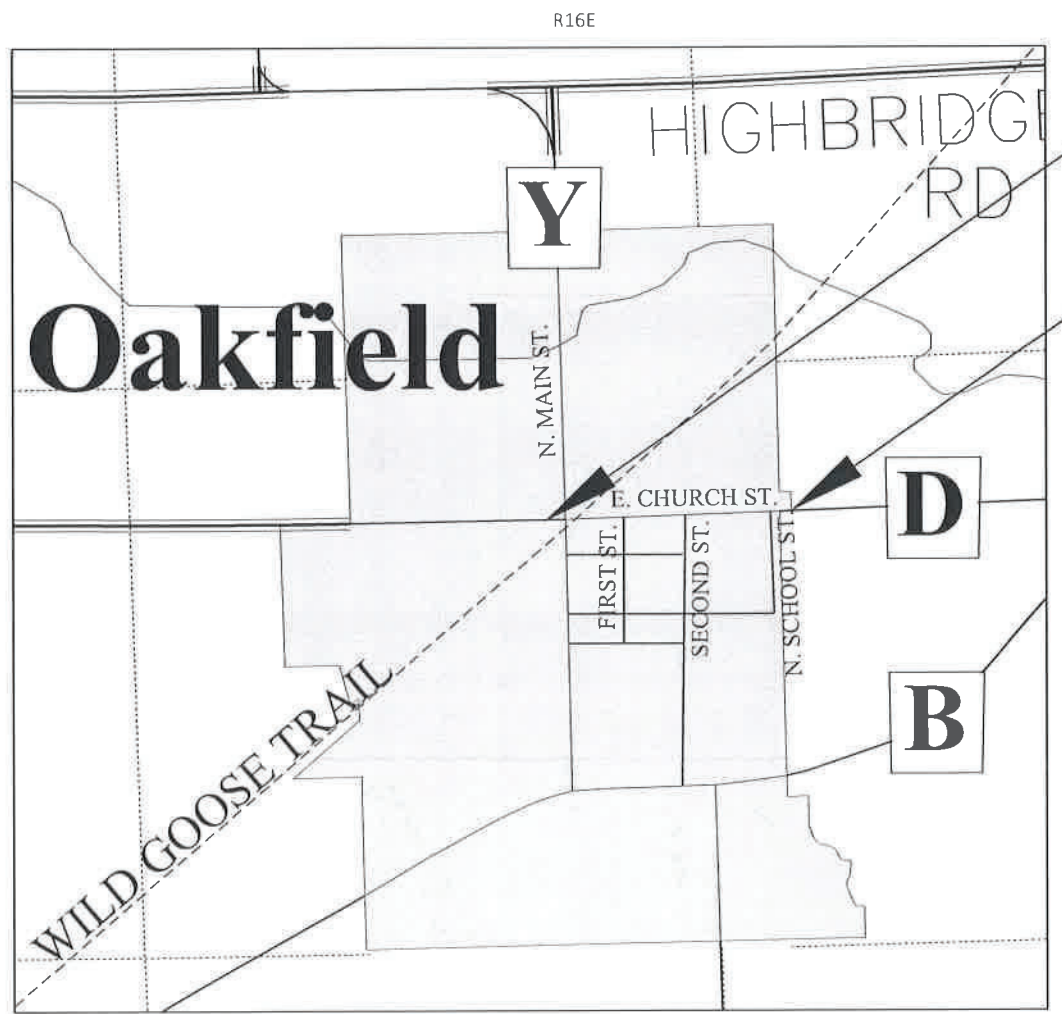
Appendix B: Construction Plans

GRE PROJECT ID: 3876-05-71 WITH: N/A COUNTY: FOND DU LAC

DECEMBER 2020 ORDER OF SHEETS Section No. 1 Title Section No. 2 Typical Sections and Details (Includes Erosion Control) Section No. 3 Estimate of Quantities Section No. 3 Miscellaneous Quantities Section No. 4 Right of Way Plat Section No. 5 Plan and Profile Section No. 6 Standard Detail Drawings Section No. 7 Sign Plates Section No. 8 Structure Plans Section No. 9 Computer Earthwork Data Section No. 9 Cross Sections TOTAL SHEETS = 220 DESIGN DESIGNATION A.A.D.T. 2021 = 1400 A.A.D.T. 2041 = 1700 D.H.V. = 226 D.D. = 60140 T_p = 7.4% DESIGN SPEED = 30 MPH ESALS = 210,000 CONVENTIONAL SYMBOLS PLAN CORPORATE LIMITS PROPERTY LINE LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY PROPOSED OR NEW R/W LINE SLOPE INTERCEPT REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT (Box or Pipe) COMBUSTIBLE FLUIDS MARSH AREA WOODED OR SHRUB AREA PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES ELECTRIC FIBER OPTIC GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE TELEPHONE POLE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PLAN OF PROPOSED IMPROVEMENT V OAKFIELD, CTH D CTH Y - N. SCHOOL STREET CTH D FOND DU LAC COUNTY

STATE PROJECT NUMBER 3876-05-71



BEGIN PROJECT STA 19+05 X = 352,383.24 Y = 790,246.47

END PROJECT STA 43+75 X = 352,417.58 Y = 792,717.00

LAYOUT SCALE 0 0.33 MI TOTAL NET LENGTH OF CENTERLINE = 0.468

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, FOND DU LAC COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3876-05-71	WISC 2021035	1

ACCEPTED FOR FOND DU LAC COUNTY

DATE: 7-1-2020 Highway Comm.
TITLE OF OFFICIAL
ORIGINAL PLANS PREPARED BY

ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1230 SOUTH BOULEVARD, BARABOO, WI 53913
(608) 356-2771 www.msa-ps.com
© MSA Professional Services, Inc.

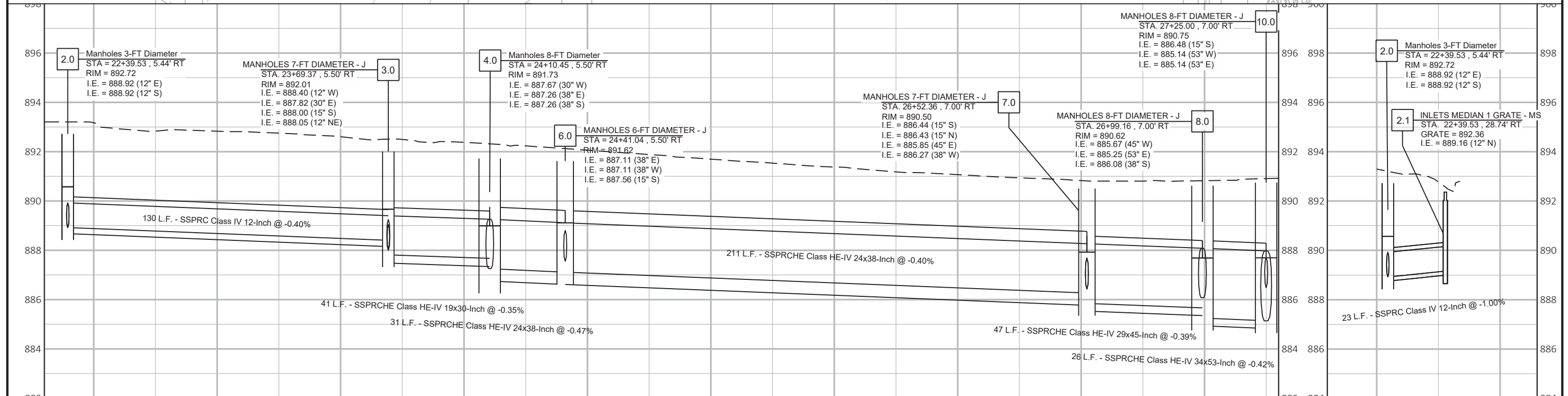
Bobbi L. Maxwell
6-30-20

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
PREPARED BY
Surveyor MSA PROFESSIONAL SERVICES, INC.
Designer MSA PROFESSIONAL SERVICES, INC.
NER Regional Examiner BRIAN EDWARDS, P.E.
Regional Supervisor JAMES THOMPSON, P.E.

APPROVED FOR THE DEPARTMENT
DATE: 7/13/2020
(Signature)

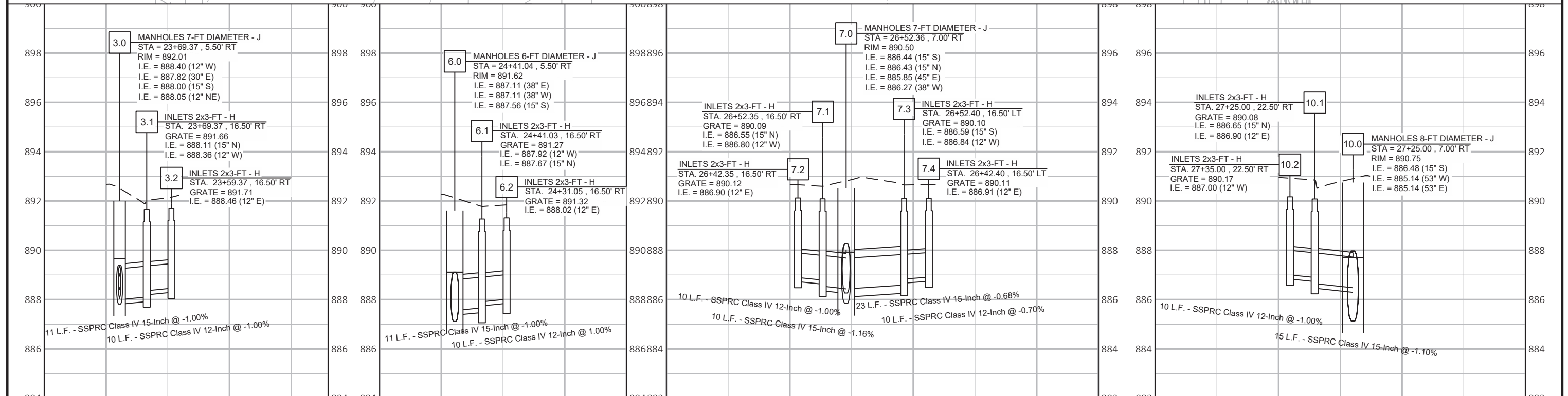
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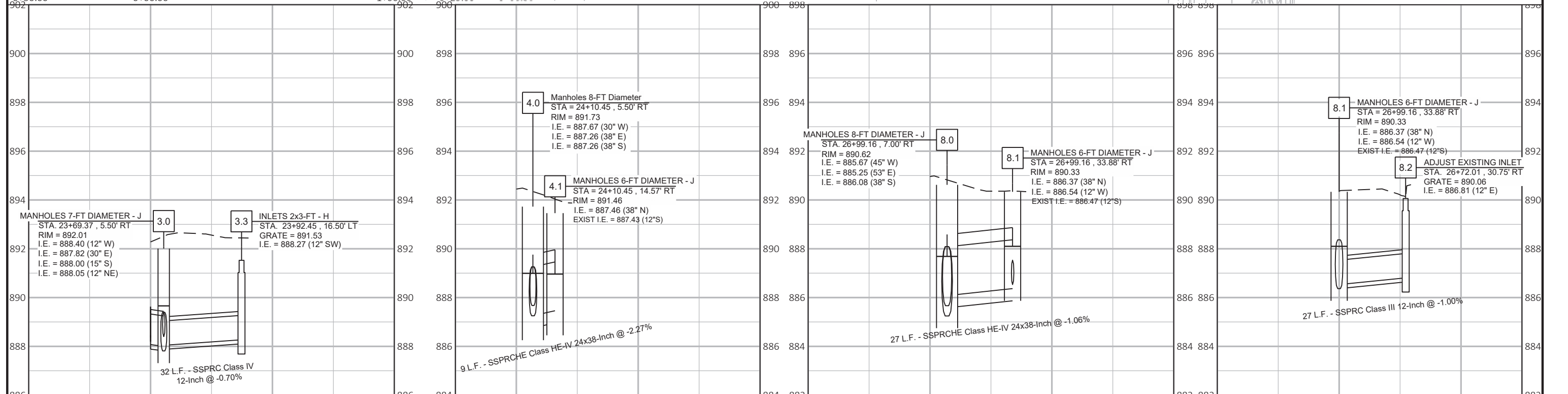
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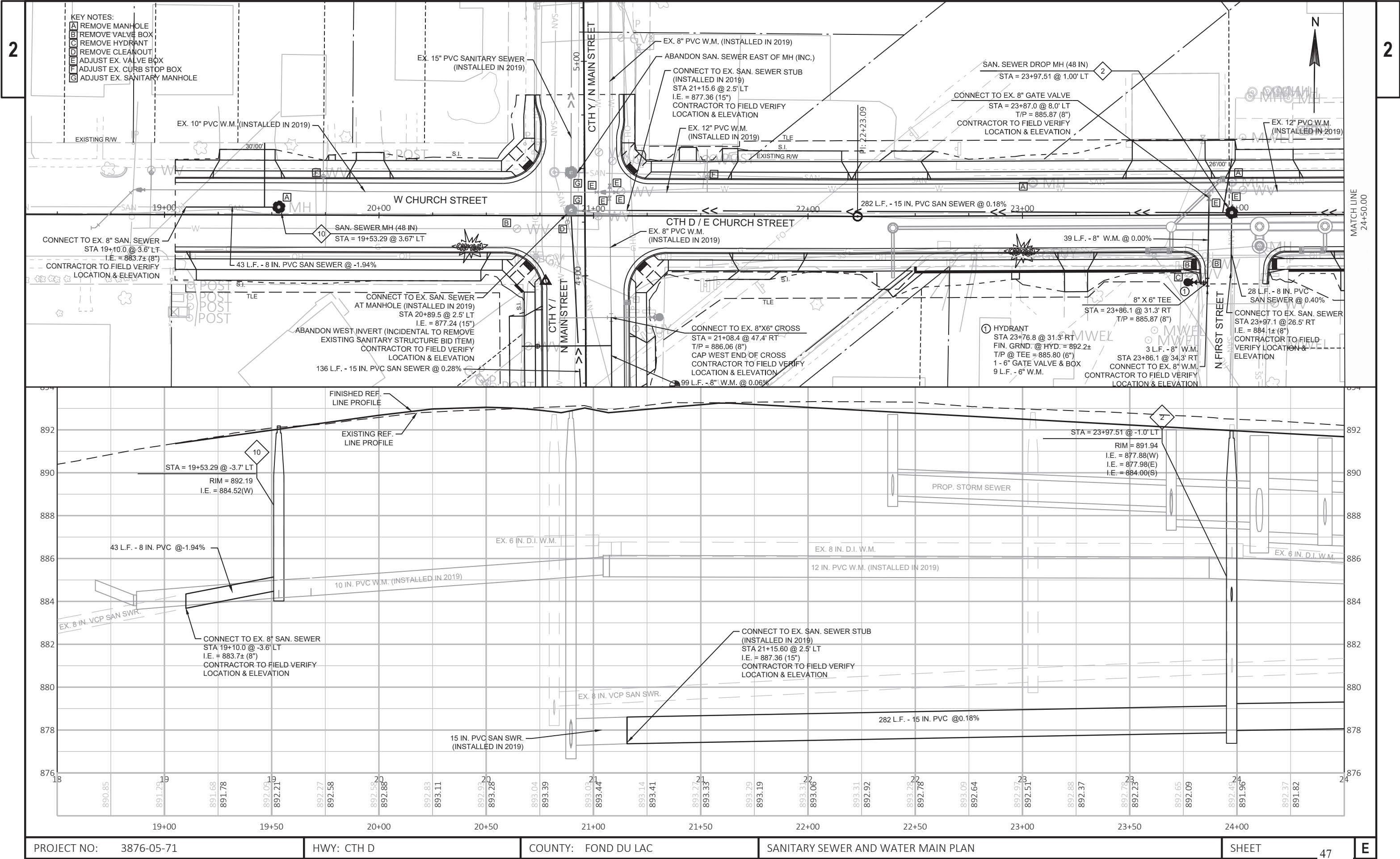


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WISDOT/CADDS SHEET 41









Appendix C: Photographic Log



Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		CTH D Oakfield, Fond du Lac County	WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No.	Date		
1	3/23/2021		
Description Intersection of First Street and East Church Street where CVOC contamination is present Photo looking west			
Photo No.	Date		
2	3/23/2021		
Description Gas station on the north side of CTH D/East Church Street near CVOC contamination encountered Photo looking east			

Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		CTH D Oakfield, Fond du Lac County	WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No.	Date		
3	3/23/2021		
Description Intersection of First Street and East Church Street where CVOC contamination is present Photo looking south			
Photo No.	Date		
4	3/26/2021		
Description Excavation occurring near STA 23+50 for sanitary sewer pipe installation Photo looking southeast			

Photographic Log

Client Name: Wisconsin Department of Transportation		Site Location: CTH D Oakfield, Fond du Lac County	Project No.: WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No. 5	Date 3/26/2021		
Description Tan/light brown sand encountered during sanitary sewer installation activities Photo looking south			
Photo No. 6	Date 3/26/2021		
Description Trench box placed in excavation during sanitary sewer installation activities Photo looking south			

Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		CTH D Oakfield, Fond du Lac County	WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No.	Date		
7	3/26/2021		
Description Sanitary sewer excavation near STA 23+60 Photo looking northeast			
Photo No.	Date		
8	3/29/2021		
Description Potentially contaminated soil stockpiled and covered with plastic onsite Photo looking south			

Photographic Log






Client Name: Wisconsin Department of Transportation		Site Location: CTH D Oakfield, Fond du Lac County	Project No.: WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No. 9	Date 3/29/2021	<div style="display: flex;"> <div style="flex: 1; padding-right: 10px;"> Description Sanitary sewer manhole structure being installed near STA 24+00 Photo looking southeast </div> <div style="flex: 2;">  </div> </div>	

Photo No. 10	Date 3/29/2021	<div style="display: flex;"> <div style="flex: 1; padding-right: 10px;"> Description Gray sandy clay encountered during sanitary sewer installation activities Photo looking southwest </div> <div style="flex: 2;">  </div> </div>	
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Photographic Log

Client Name: Wisconsin Department of Transportation		Site Location: CTH D Oakfield, Fond du Lac County	Project No.: WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No. 11	Date 3/29/2021		
Description Sanitary sewer manhole structure being installed near STA 24+00 Photo looking southeast			
Photo No. 12	Date 3/30/2021		
Description Tan/light brown sand encountered during sanitary sewer installation activities Photo looking south			

Photographic Log

Client Name: Wisconsin Department of Transportation		Site Location: CTH D Oakfield, Fond du Lac County	Project No.: WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No. 13	Date 3/30/2021		
Description Sanitary sewer excavation activities at the east end of potentially contaminated soil near STA 24+75 Photo looking east			
Photo No. 14	Date 3/30/2021		
Description Potentially contaminated soil stockpiled and covered with plastic onsite Photo looking northeast			

Photographic Log

Client Name: Wisconsin Department of Transportation		Site Location: CTH D Oakfield, Fond du Lac County	Project No.: WisDOT ID: 3876-05-71 TRC Project: 421198
Photo No. 15	Date 7/27/2021		
Description Intersection of North First Street and East Church Street after all excavation activities have been completed in the area Photo looking south			
Photo No. 16	Date 8/6/2021		
Description Southeast corner of intersection of North First Street and East Church Street with new curb constructed Photo looking northeast			

Appendix D: Soil Disposal Records

Date	Profile #	Manifest/ Additional Documents	Ticket #	Material	Facility	Carrier Vehicle	Tons/Tonnes	Mat. Quantity	Mat. Unit	
04/07/2021	V135033	WI	*	1212812	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	22.91	22.91	TON
04/07/2021	V135033	WI	*	1212839	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	27.01	27.01	TON
04/07/2021	V135033	WI	*	1212867	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	26.9	26.90	TON
04/07/2021	V135033	WI	*	1212888	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	27.69	27.69	TON
04/08/2021	V135033	WI	*	1212907	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	21.99	21.99	TON
04/08/2021	V135033	WI	*	1212921	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	21.44	21.44	TON
04/09/2021	V135033	WI	*	1213013	Special Waste containing VOC (VolatileOrganic Compounds)	WI Valley Trail LF Dump Truck	1	22.72	22.72	TON