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February 1, 2022

Ms. Dee Vang
Wisconsin DNR - West Central Region
1300 W. Clairemont Avenue
Eau Claire, WI 54701

Subject: Documentation Report for Management of Contaminated Soil
STH 33, La Crosse, La Crosse County, Wisconsin
WisDOT Project ID# 5120-03-72

Dear Ms. Vang:

Enclosed is the Documentation Report for Management of Contaminated Soil for the WisDOT STH 33 reconstruction project (WisDOT ID# 5120-03-72) in La Crosse, La Crosse County, Wisconsin. This report also documents the cap modifications at the One Hour Cleaners (817 Jackson St., BRRTS# 02-32-271770), site.

If you have any questions, please feel free to contact Mike Ursin, at (815) 275-6478.

Sincerely,

TRC

A handwritten signature in black ink, appearing to read "Tom Perkins".

Tom Perkins
Project Engineer

A handwritten signature in black ink, appearing to read "Mike Ursin".

Mike Ursin
Project Manager

cc: Stephen Vetsch, WisDOT (pdf via email)
Shar TeBeest, WisDOT (pdf via email)



Documentation Report for Management of Contaminated Soil

STH 33
La Crosse, La Crosse County,
Wisconsin

February 2022

WisDOT Project #5120-03-72

Prepared For:

Wisconsin Department of Transportation

Prepared By:

TRC
708 Heartland Trail, Suite 3000
Madison, Wisconsin 53717

A handwritten signature in black ink, appearing to read "Tom Perkins", written above a horizontal line.

Tom Perkins
Project Engineer

A handwritten signature in black ink, appearing to read "Mike Ursin", written above a horizontal line.

Mike Ursin
Project Manager

A handwritten signature in blue ink, appearing to read "Dan Haak", written above a horizontal line.

Dan Haak, P.E.
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
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
PCBs	polychlorinated biphenyls
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 Wisconsin Department of Transportation (WisDOT) has completed highway improvements along STH 33 from 3rd Street to 23rd Street in La Crosse, La Crosse County, Wisconsin (WisDOT Project ID #5120-03-72). The WisDOT retained TRC Environmental Corporation (TRC) to provide environmental construction management services during this project, including the field-screening of potentially contaminated soil and the documentation of contaminated soil and groundwater management, if necessary. In accordance with the Special Provisions, excavated material from the following site was field-screened:

- **Site 6 & 7** (Former ROW of Green Bay & Western Railroad and dry cleaner sites) - Station 74+45 to 74+75, from 5 feet left of the reference line to 20 feet left of the reference line.

TRC was on site October 15, 2021, to observe the WisDOT's highway contractor (Gerke Construction, Inc.) excavate roadway improvements at the site listed above and to field-screen potentially contaminated soil. No evidence of contamination was encountered in soil excavated during STH 33 reconstruction and therefore, off site management of contaminated soil was not required. Based on the results of the previous Phase 2.5 Site Investigation, a portion of the excavated soil at Site 6 was considered low-level contaminated and was beneficially reused on site. The remaining excavated soil was hauled off site and used without restriction.

Groundwater was not encountered during construction and therefore did not require management.

On the basis of the findings of the field observations, field-screening results, and information included in the Special Provisions, TRC recommends that the WisDOT take no further action to investigate or remediate soil or groundwater impacts that may remain at the investigated site or within the construction project limits.

1.0 Introduction

1.1 Background

The Wisconsin Department of Transportation (WisDOT) has completed highway improvements along STH 33 from 3rd Street to 23rd Street in La Crosse, La Crosse County, Wisconsin (WisDOT Project ID #5120-03-72). The WisDOT retained TRC Environmental Corporation (TRC) to provide environmental construction management services during this project, including the field-screening of potentially contaminated soil and the documentation of contaminated soil and groundwater management, if necessary. Appendix A includes select highway construction plans relevant to this report, and Appendix B includes photographs taken during the reconstruction project. The project location is shown on Figure 1.

A Phase I Hazardous Materials Assessment (HMA) investigation for the project corridor was completed by TRC in February 2019. The Phase 1 HMA investigated 11 sites for potential hazardous materials. Of the 11 sites investigated during TRC's Phase 1 HMA, seven were recommended for additional subsurface investigations. Upon further review of the construction plans, additional subsurface investigation was proposed at five of the seven sites (TRC, 2019). TRC completed a Phase 2.5 investigation for the project corridor in December of 2019, and submitted an investigation report to the WDNR in January of 2020 (TRC, 2020).

Based on the results of the previous reports and WisDOT construction plans, the following areas were identified as potentially containing contaminated soil, and included in the contract environmental Special Provisions:

- **Site 6 & 7** (Former ROW of Green Bay & Western Railroad and dry cleaner sites) - Station 74+45 to 74+75, from 5 feet left of the reference line to 20 feet left of the reference line.

The WDNR provided concurrence with these Special Provisions on February 11, 2020. The Special Provisions prepared for the management of tetrachloroethene (PCE) and metals-contaminated soil and the WDNR concurrence letter are included in Appendix C.

On August 19, 2021, prior to STH 33 construction activities, TRC personnel collected an additional soil sample from the STH 33 ROW at 1817 Jackson Street for waste profiling. The soil sample (1817.1) was collected at 1.5 feet below ground surface (ft. bgs) and was submitted to Pace Analytical for analysis for Toxicity Characteristic Leaching Procedure (TCLP) - Lead and Chromium. Laboratory analytical results are provided in Appendix D.

1.2 Purpose

The purpose of this report is to document the results of field observations and field-screening during the STH 33 highway improvements project (WisDOT ID# 5120-03-72). This report also documents the cap replacement at:

- Former One Hour Cleaners (Site 6 and Site 7) – 817 Jackson St., BRRTS# 02-32-271770

2.0 Field Summary

2.1 Cap Modifications

Portions of the post-closure cap over residual soil contamination at the former One Hour Cleaners (Site 6 and Site 7, BRRTS# 02-32-271770) at 817 Jackson St. were replaced during utility construction and roadway improvements. The cap was replaced in kind. A post-closure modification request was submitted to the WDNR for the cap replacement for these sites. The WDNR approved the cap modifications on February 7, 2020 (Appendix E). Photographs of cap conditions both prior to construction and post-construction are provided in Appendix B.

2.2 Soil Screening

In accordance with the Special Provisions, TRC observed the highway contractor during excavations within the area identified in the Special Provisions as potentially containing contaminated soil. TRC personnel were on site October 15, 2021, to field-screen soil excavated by the highway contractor during utility reconstruction. TRC personnel field-screened soil based on data from previous investigations, visual observations, olfactory evidence, and through the use of a photoionization detector (PID). No evidence of contamination was observed in the soil excavated. Based on the results of the previous Phase 2.5 Investigation, soil excavated from the predefined location of potentially contaminated soil (near soil boring GP-05) was considered low-level contaminated and was beneficially reused on site as backfill. The remaining soil excavated for the manhole replacement was hauled off site without restriction (one truckload). PID field-screening results are included in Table 1, and the extents of the field-screening areas and reuse areas are shown on Figure 2.

3.0 Conclusions

TRC was on site to field-screen potentially contaminated soil during STH 33 highway improvements at areas identified in the Special Provisions. No evidence of contaminated soil was observed in soil excavated for highway reconstruction. A portion of soil excavated at Site 6 was considered low-level contaminated and was beneficially reused as backfill on site. Remaining excavated soils were hauled off site without restriction. No off-site disposal of contaminated soil was required.

Groundwater was not encountered during STH 33 highway improvements.

On the basis of the results of field observations and field-screening, the WisDOT managed contaminated soil in accordance with the Special Provisions during the STH 33 highway improvements in La Crosse, Wisconsin. TRC recommends the WisDOT take no further action to investigate or remediate the contaminated sites.

4.0 References

TRC. 2020. Phase 2/2.5 Investigation, STH 33, 3rd Street to 23rd Street, La Crosse, La Crosse County, Wisconsin, WisDOT Project ID #5120-03-02. January 28, 2020.

TRC. 2019. Phase I Hazardous Materials Assessment, STH 33 – La Crosse, 3rd Street to 23rd Street, La Crosse County, Wisconsin, WisDOT Project ID #5120-03-02. February 19, 2019.

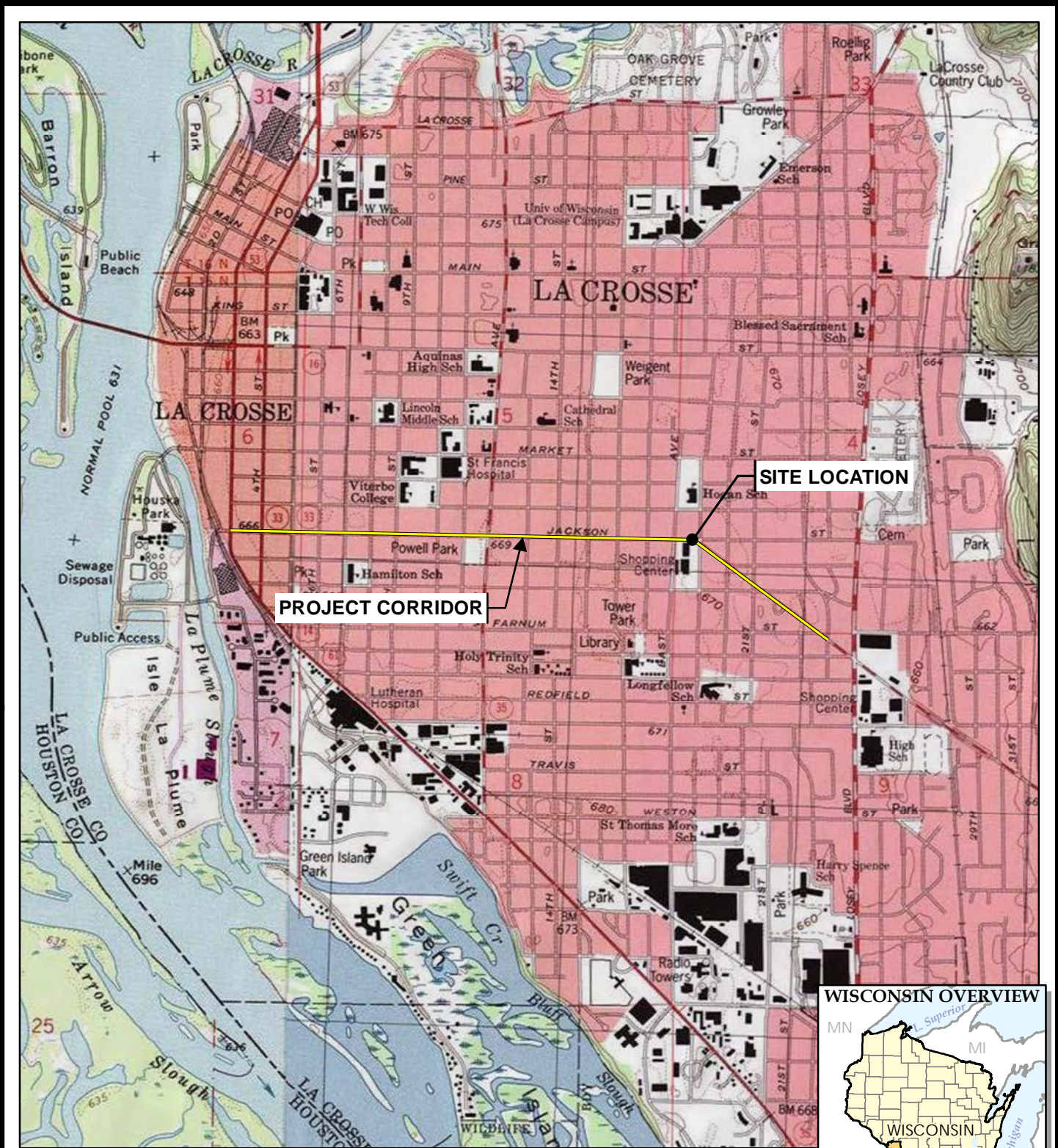
**Table 1: Summary of Soil Field-Screening Results
 STH 33, La Crosse, La Crosse County, Wisconsin
 WisDOT Project ID #5120-03-72**

DATE	SITE	CATEGORY	APPROX. STATION	LEFT/RIGHT OF REF. LINE	DEPTH (feet BGS)	PID (ppm)	ODOR	STAINING?	SOIL DESCRIPTION
10/15/2021	Site 6	Storm Sewer	74+60	10' LT	1	<1	N	N	Brown sand
			74+65	20' LT	2	<1	N	N	Brown sand
			74+70	10' LT	2	<1	N	N	Brown sand
			74+60	10' LT	5	<1	N	N	Brown sand
			74+65	20' LT	7	<1	N	N	Brown sand
			74+70	10' LT	6	<1	N	N	Brown sand
			74+75	10' LT	3	<1	N	N	Brown sand

Notes:

1. bgs = below ground surface
2. PID = photoionization detector
3. ppm = parts per million

Created by: D. Haak 1/18/2022
 Checked by: T. Perkins 1/19/2022



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.



708 Heartland Trail., Suite 3000
Madison, WI 53717
Phone: 608.826.3600

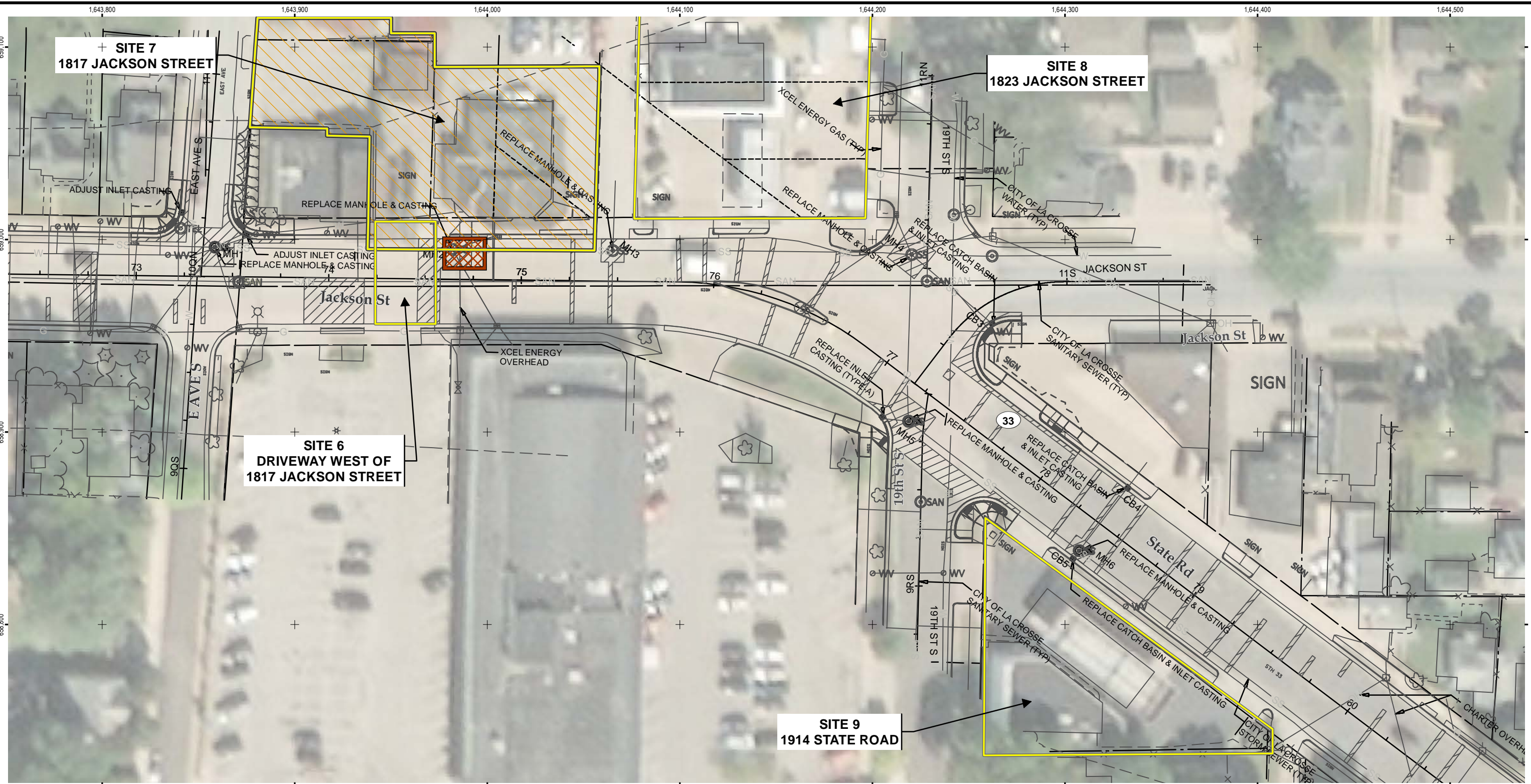
PROJECT: **WISDOT ID# 5120-03-72**
STH 33
LA CROSSE, LA CROSSE COUNTY, WISCONSIN

TITLE: **SITE LOCATION MAP**

DRAWN BY:	A. FOJTIK
CHECKED BY:	T. PERKINS
APPROVED BY:	D. HAAK
DATE:	FEBRUARY 2022
PROJ. NO.:	440149
FILE:	440149-001slm.mxd

FIGURE 1

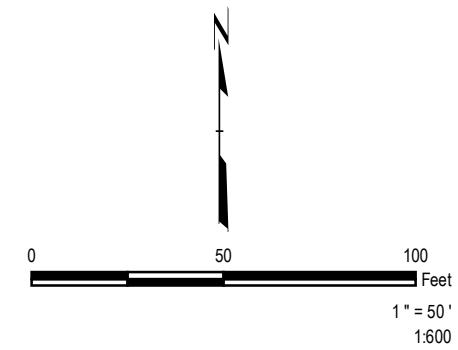
Plot Date: 2/1/2022 09:11:14 AM by AFOJTIK --LAYOUT:ANSI B(11"x17")
 Path: S:\1-PROJECTS\WI_DOT\2022_440149_STH33_LaCrosse\B-MXD\440149-002.mbx
 Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)
 Map Rotation: 0
 TRC - GIS



LEGEND

	SITE BOUNDARY
	EXCAVATION AND REUSE AREA
	APPROXIMATE CAP MAINTENANCE AREA

- NOTES**
1. BASE MAP IMAGERY FROM ESRI/DIGITALGLOBE, SEPTEMBER 2018.
 2. SITE BOUNDARIES ADJUSTED BASED ON PROPERTY BOUNDARIES FROM WISDOT CONSTRUCTION PLANS. SITE BOUNDARY FOR SITE 7 ADJUSTED TO INCLUDE CAP MAINTENANCE AREA FOR BRRTS SITE # 02-32-271770.
 3. CAP MAINTENANCE AREA FROM BRAUN INTERTEC, "CAP MAINTENANCE PLAN" DRAWING NO. LC0602184 DATED 07/14/06.
 4. CONSTRUCTION PLANS PROVIDED BY WISDOT. LOCATIONS ARE APPROXIMATE.
 5. MAP PROJECTION AND GRID COORDINATES ARE NAD83 STATE PLANE WISCONSIN SOUTH (US SURVEY FEET).
 6. EXCAVATED SOIL WAS FIELD-SCREENED BY TRC PERSONNEL AND NO EVIDENCE OF CONTAMINATION WAS OBSERVED. BASED ON PREVIOUS INVESTIGATIONS, A PORTION OF THE SOIL EXCAVATED IN THIS AREA WAS CONSIDERED TO BE LOW-LEVEL CONTAMINATED AND WAS BENEFICIALLY REUSED ON SITE WITHIN THESE EXTENTS.



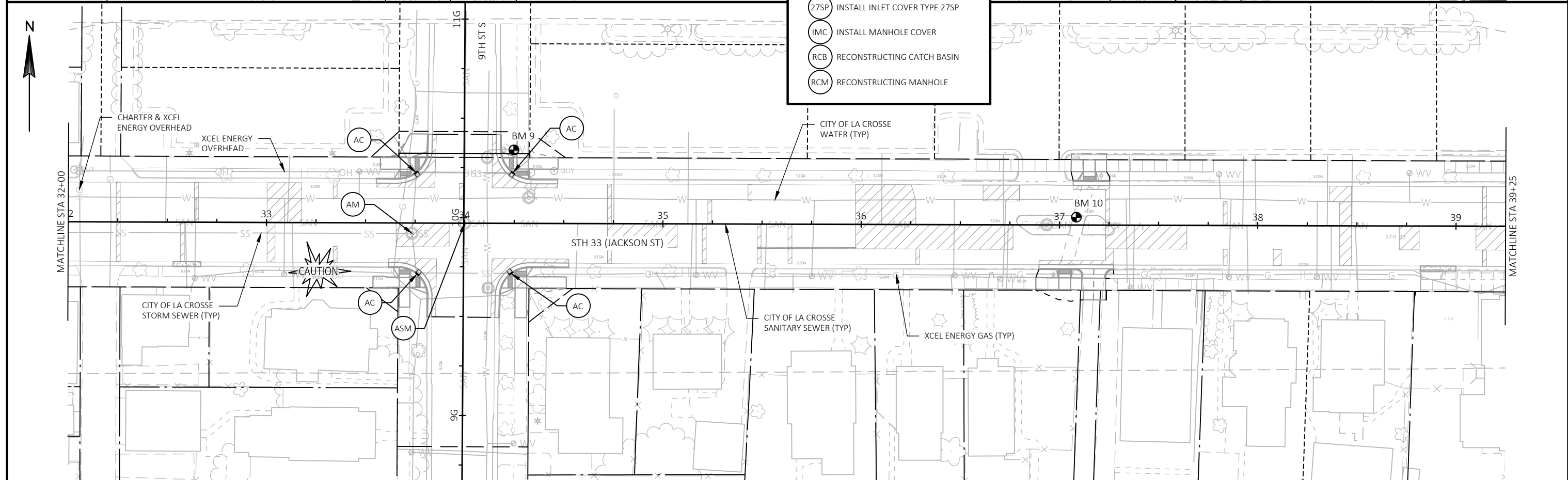
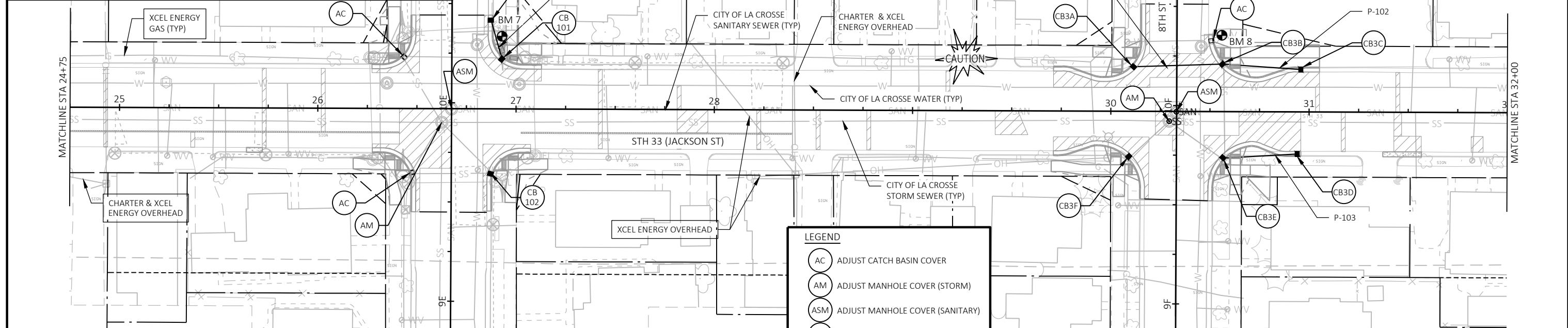
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		STH 33	
		LA CROSSE, LA CROSSE COUNTY, WISCONSIN	
TITLE:			
SITE MAP			
DRAWN BY:	A. FOJTIK	PROJ NO.:	440149
CHECKED BY:	T. PERKINS		
APPROVED BY:	D. HAAK	FIGURE 2	
DATE:	FEBRUARY 2022		
		708 Heartland Trail, Suite 3000 Madison, WI 53717 Phone: 608.826.3600 www.trccompanies.com	
FILE NO.:		440149-002.mbx	

Appendix A: Construction Plans

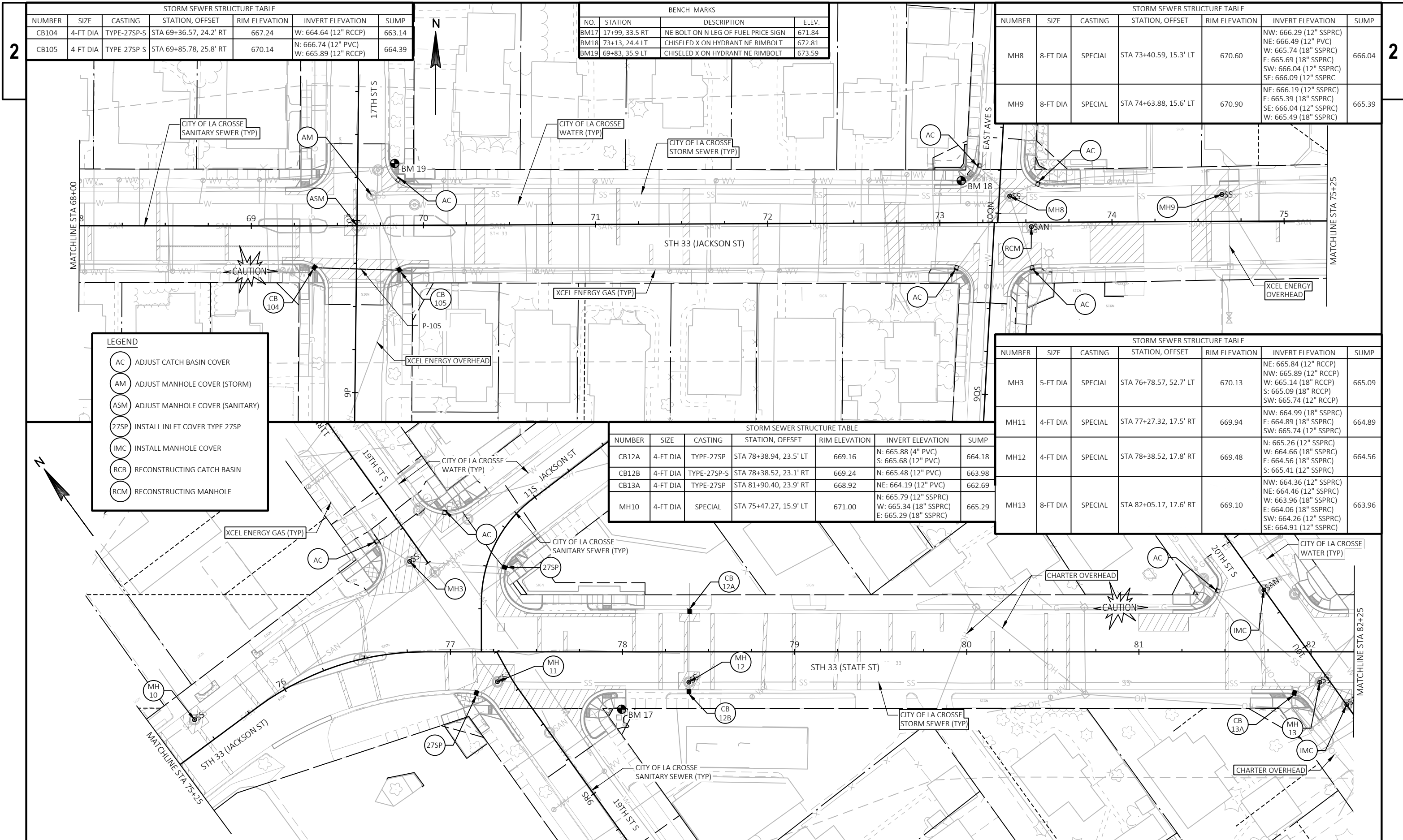
STORM SEWER STRUCTURE TABLE						
NUMBER	SIZE	CASTING	STATION, OFFSET	RIM ELEVATION	INVERT ELEVATION	SUMP
CB100	4-FT DIA	TYPE-27SP-S	STA 26+87.06, 44.7' LT	667.79	S: 665.08 (12" SSPRC)	663.58
CB101	4-FT DIA	TYPE-27SP	STA 26+92.69, 25.1' LT	667.74	N: 664.96 (12" SSPRC) W: 664.96 (12" PVC)	663.46
CB102	4-FT DIA	TYPE-27SP-S	STA 26+87.19, 32.7' RT	667.76	NE: 663.59 (12" SSPRC)	662.09
CB3A	4-FT DIA	TYPE-27SP	STA 30+11.43, 22.4' LT	668.90	E: 666.19 (12" SSPRC)	664.69
CB3B	4-FT DIA	TYPE-27SP	STA 30+56.36, 24.0' LT	668.90	W: 665.50 (12" SSPRC) N: 665.61 (12" SSPRC) S: 665.50 (12" SSPRC) E: 665.50 (12" SSPRC)	664.00
CB3C	4-FT DIA	TYPE-27SP-S	STA 30+95.72, 21.4' LT	669.05	W: 666.18 (12" SSPRC)	664.68

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
BM7	26+93, 36.6 LT	CHISELED X HYDRANT NE RIMBOLT	670.98
BM8	30+56, 38.4 LT	CHISELED X HYDRANT NE RIMBOLT	672.06
BM9	34+25, 37.0 LT	CHISELED X HYDRANT NE RIMBOLT	672.71
BM10	37+09, 4.0 LT	CHISELED X NE DIMPLE ON NORTH DWF	670.57

STORM SEWER STRUCTURE TABLE						
NUMBER	SIZE	CASTING	STATION, OFFSET	RIM ELEVATION	INVERT ELEVATION	SUMP
CB3F	4-FT DIA	TYPE 27SP-S	STA 30+08.54, 23.4' RT	668.83	NE: 665.24 (12" SSPRC)	663.74
CB3E	4-FT DIA	TYPE 27SP-S	STA 30+57.14, 23.8' RT	669.17	NW: 664.42 (12" SSPRC) N: 665.42 (12" SSPRC) E: 664.42 (12" SSPRC)	662.92
CB3D	4-FT DIA	TYPE 27SP-S	STA 30+94.09, 21.2' RT	669.17	W: 665.13 (12" SSPRC)	663.63



PROJECT NO:	5120-03-72	HWY:	STH 33	COUNTY:	LA CROSSE	STORM AND SANITARY SEWER	SHEET	E
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STORM SEWER STRUCTURE TABLE						
NUMBER	SIZE	CASTING	STATION, OFFSET	RIM ELEVATION	INVERT ELEVATION	SUMP
CB104	4-FT DIA	TYPE-27SP-S	STA 69+36.57, 24.2' RT	667.24	W: 664.64 (12" RCCP)	663.14
CB105	4-FT DIA	TYPE-27SP-S	STA 69+85.78, 25.8' RT	670.14	N: 666.74 (12" PVC) W: 665.89 (12" RCCP)	664.39

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
BM17	17+99, 33.5 RT	NE BOLT ON N LEG OF FUEL PRICE SIGN	671.84
BM18	73+13, 24.4 LT	CHISELED X ON HYDRANT NE RIMBOLT	672.81
BM19	69+83, 35.9 LT	CHISELED X ON HYDRANT NE RIMBOLT	673.59

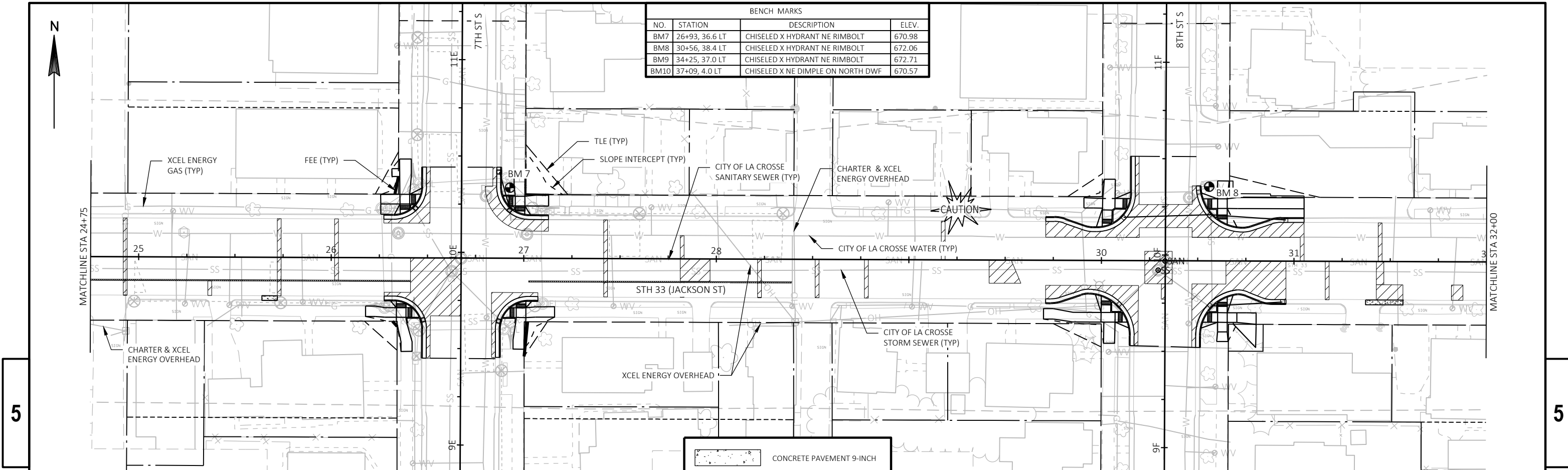
STORM SEWER STRUCTURE TABLE						
NUMBER	SIZE	CASTING	STATION, OFFSET	RIM ELEVATION	INVERT ELEVATION	SUMP
MH8	8-FT DIA	SPECIAL	STA 73+40.59, 15.3' LT	670.60	NW: 666.29 (12" SSPPRC) NE: 666.49 (12" PVC) W: 665.74 (18" SSPPRC) E: 665.69 (18" SSPPRC) SW: 666.04 (12" SSPPRC) SE: 666.09 (12" SSPPRC)	666.04
MH9	8-FT DIA	SPECIAL	STA 74+63.88, 15.6' LT	670.90	NE: 666.19 (12" SSPPRC) E: 665.39 (18" SSPPRC) SE: 666.04 (12" SSPPRC) W: 665.49 (18" SSPPRC)	665.39

LEGEND	
AC	ADJUST CATCH BASIN COVER
AM	ADJUST MANHOLE COVER (STORM)
ASM	ADJUST MANHOLE COVER (SANITARY)
27SP	INSTALL INLET COVER TYPE 27SP
IMC	INSTALL MANHOLE COVER
RCB	RECONSTRUCTING CATCH BASIN
RCM	RECONSTRUCTING MANHOLE

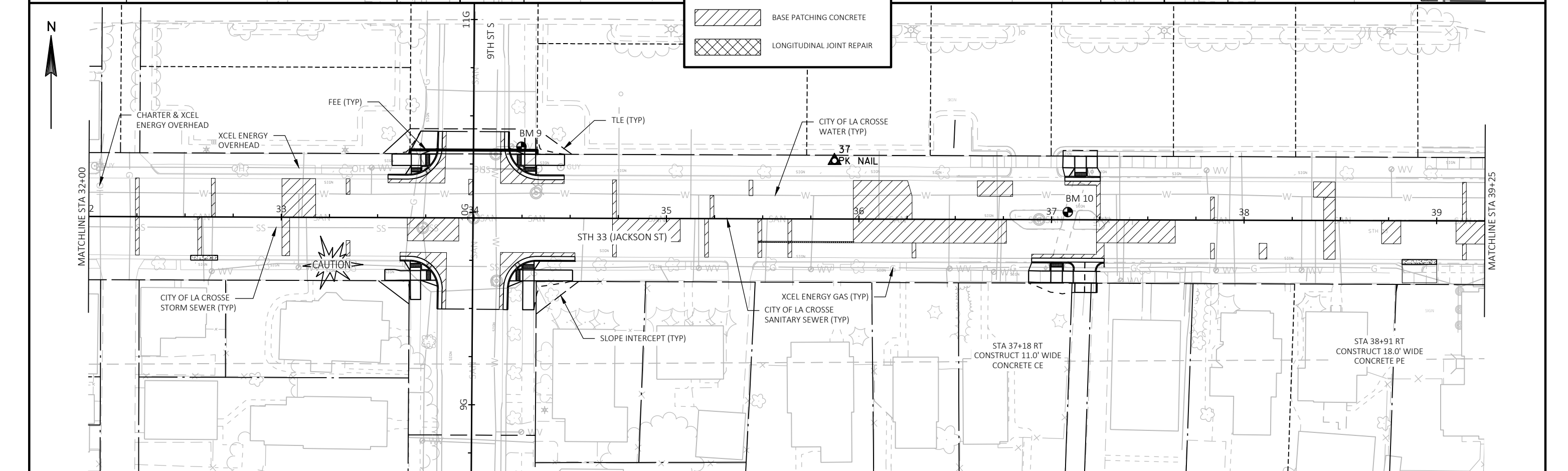
STORM SEWER STRUCTURE TABLE						
NUMBER	SIZE	CASTING	STATION, OFFSET	RIM ELEVATION	INVERT ELEVATION	SUMP
CB12A	4-FT DIA	TYPE-27SP	STA 78+38.94, 23.5' LT	669.16	N: 665.88 (4" PVC) S: 665.68 (12" PVC)	664.18
CB12B	4-FT DIA	TYPE-27SP-S	STA 78+38.52, 23.1' RT	669.24	N: 665.48 (12" PVC)	663.98
CB13A	4-FT DIA	TYPE-27SP	STA 81+90.40, 23.9' RT	668.92	NE: 664.19 (12" PVC)	662.69
MH10	4-FT DIA	SPECIAL	STA 75+47.27, 15.9' LT	671.00	N: 665.79 (12" SSPPRC) W: 665.34 (18" SSPPRC) E: 665.29 (18" SSPPRC)	665.29

STORM SEWER STRUCTURE TABLE						
NUMBER	SIZE	CASTING	STATION, OFFSET	RIM ELEVATION	INVERT ELEVATION	SUMP
MH3	5-FT DIA	SPECIAL	STA 76+78.57, 52.7' LT	670.13	NE: 665.84 (12" RCCP) NW: 665.89 (12" RCCP) W: 665.14 (18" RCCP) S: 665.09 (18" RCCP) SW: 665.74 (12" RCCP)	665.09
MH11	4-FT DIA	SPECIAL	STA 77+27.32, 17.5' RT	669.94	NW: 664.99 (18" SSPPRC) E: 664.89 (18" SSPPRC) SW: 665.74 (12" SSPPRC)	664.89
MH12	4-FT DIA	SPECIAL	STA 78+38.52, 17.8' RT	669.48	N: 665.26 (12" SSPPRC) W: 664.66 (18" SSPPRC) S: 664.56 (18" SSPPRC) SE: 665.41 (12" SSPPRC)	664.56
MH13	8-FT DIA	SPECIAL	STA 82+05.17, 17.6' RT	669.10	NW: 664.36 (12" SSPPRC) NE: 664.46 (12" SSPPRC) W: 663.96 (18" SSPPRC) E: 664.06 (18" SSPPRC) SW: 664.26 (12" SSPPRC) SE: 664.91 (12" SSPPRC)	663.96

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
BM7	26+93, 36.6 LT	CHISELED X HYDRANT NE RIMBOLT	670.98
BM8	30+56, 38.4 LT	CHISELED X HYDRANT NE RIMBOLT	672.06
BM9	34+25, 37.0 LT	CHISELED X HYDRANT NE RIMBOLT	672.71
BM10	37+09, 4.0 LT	CHISELED X NE DIMPLE ON NORTH DW	670.57



	CONCRETE PAVEMENT 9-INCH
	BASE PATCHING CONCRETE
	LONGITUDINAL JOINT REPAIR



PROJECT NO: 5120-03-72

HWY: STH 33

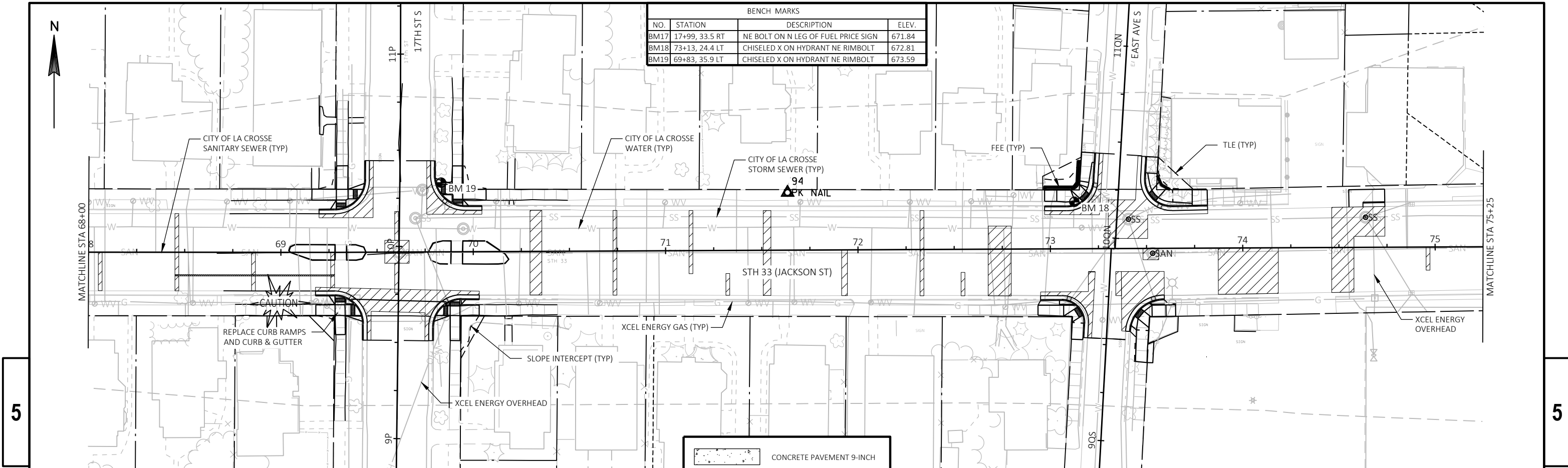
COUNTY: LA CROSSE

PLAN

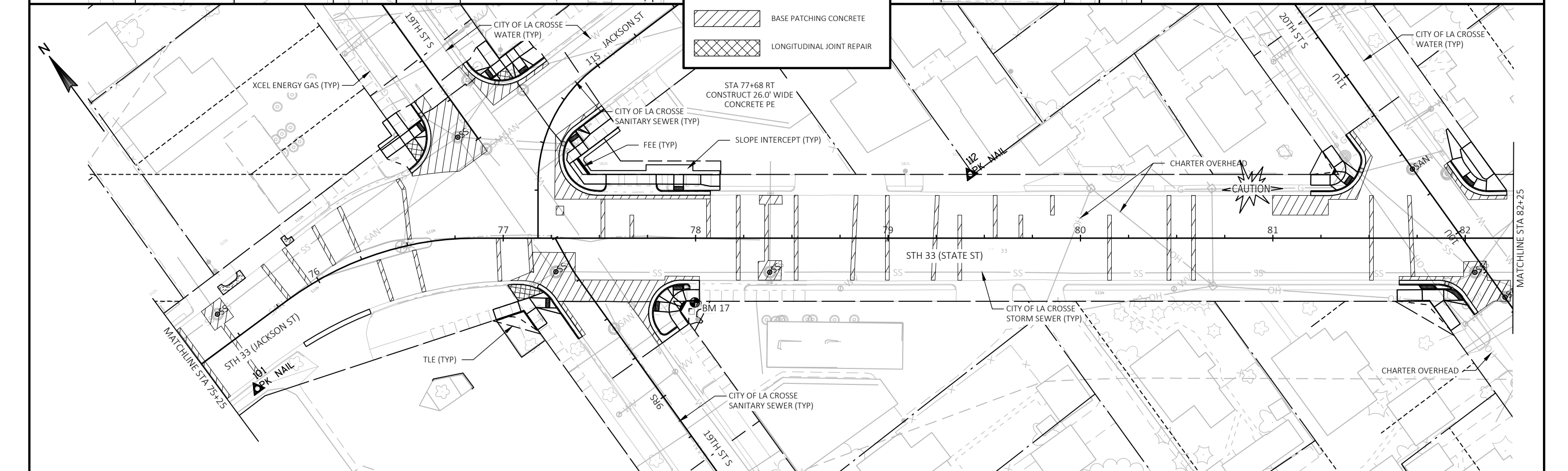
SHEET

E

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
BM17	17+99, 33.5 RT	NE BOLT ON N LEG OF FUEL PRICE SIGN	671.84
BM18	73+13, 24.4 LT	CHISELED X ON HYDRANT NE RIMBOLT	672.81
BM19	69+83, 35.9 LT	CHISELED X ON HYDRANT NE RIMBOLT	673.59



	CONCRETE PAVEMENT 9-INCH
	BASE PATCHING CONCRETE
	LONGITUDINAL JOINT REPAIR



PROJECT NO: 5120-03-72

HWY: STH 33

COUNTY: LA CROSSE



PLAN

SHEET

E

Appendix B: Photographic Log



Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		STH 33 La Crosse, La Crosse County, WI	WisDOT ID: 5120-03-72 TRC: 440149.0000.0000
Photo No.	Date		
1	8/19/2021		
Description			
Site 6 and Site 7 (1817 Jackson Street, BRRTS #02-32-271770) cap prior to STH 33 reconstruction.			
Photo taken looking north.			
Photo No.	Date		
2	8/19/2021		
Description			
Site 6 and Site 7 (1817 Jackson Street, BRRTS #02-32-271770) cap prior to STH 33 reconstruction.			
Photo taken looking west.			

Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		STH 33 La Crosse, La Crosse County, WI	WisDOT ID: 5120-03-72 TRC: 440149.0000.0000
Photo No.	Date		
3	10/15/2021		
<p>Description Installation of MH 9 along the north side of STH 33, adjacent to Site 6 and Site 7. Existing manhole exposed for removal.</p> <p>Photo taken looking south.</p>			
Photo No.	Date		
4	10/15/2021		
<p>Description Excavation for MH 9 replacement.</p> <p>Photo taken looking south.</p>			

Photographic Log

Client Name: Wisconsin Department of Transportation		Site Location: STH 33 La Crosse, La Crosse County, WI	Project No.: WisDOT ID: 5120-03-72 TRC: 440149.0000.0000
Photo No. 5	Date 10/15/2021		
Description Installation of MH 9. Photo taken looking northeast.			
Photo No. 6	Date 10/15/2021		
Description Construction of MH 9. Photo taken looking south.			

Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		STH 33 La Crosse, La Crosse County, WI	WisDOT ID: 5120-03-72 TRC: 440149.0000.0000
Photo No.	Date		
7	11/3/2021		
Description Site 6 and Site 7 (1817 Jackson Street, BRRTS #02-32-271770) cap post STH 33 reconstruction. Photo taken looking north.			

Photo No.	Date		
8	8/31/2021		
Description Site 6 and Site 7 (1817 Jackson Street, BRRTS #02-32-271770) cap post STH 33 reconstruction. Photo taken looking west.			

Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation		STH 33 La Crosse, La Crosse County, WI	WisDOT ID: 5120-03-72 TRC: 440149.0000.0000
Photo No.	Date		
9	8/31/2021		
Description Site 6 and Site 7 (1817 Jackson Street, BRRS #02-32-271770) cap post STH 33 reconstruction. Photo taken looking east.			

Photo No.	Date		
10	8/31/2021		
Description Site 6 and Site 7 (1817 Jackson Street, BRRS #02-32-271770) cap post STH 33 reconstruction. Photo taken looking east.			

Appendix C: Special Provisions and WDNR Concurrence

HIGHWAY WORK PROPOSAL

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

Proposal Number: **006**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
La Crosse	5120-03-72	WISC 2021301	Jackson Street, C La Crosse; 3rd Street To 23rd Street	STH 033

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: May 11, 2021 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code <h2 style="text-align: center;">SAMPLE NOT FOR BIDDING PURPOSES</h2> This contract is exempt from federal oversight.
Contract Completion Time October 22, 2021	
Assigned Disadvantaged Business Enterprise Goal 2%	

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: Base, Concrete Pavement, HMA Pavement, Asphaltic Surface, Curb and Gutter, Sidewalk, Signs, Pavement Marking, Traffic Signals, Storm Sewer	For Department Use Only
Notice of Award Dated	Date Guaranty Returned

- Underground gas facilities cross 9th Street at approximately Station 9+60G
- Underground gas facilities cross 10th Street at approximately Station 9+69H
- Underground gas facilities cross 13th Street at approximately Station 9+69L
- Underground gas facilities cross 14th Street at approximately Station 9+60M
- Underground gas facilities cross 15th Street at approximately Station 9+58N
- Underground gas facilities cross 16th Street at approximately Station 9+55O
- Underground gas facilities cross 17th Street at approximately Station 9+61P
- Underground gas facilities cross East Ave S Street at approximately Station 9+71QS

No conflicts anticipated with any Xcel Gas facilities.

8. Health and Safety Requirements for Workers Remediating Petroleum Contamination.

Add the following to standard spec 107.1(2):

Soil contamination with gasoline, diesel fuel, fuel oil, or other petroleum related products may be encountered during excavation activities. Prepare a site-specific Health and Safety Plan complying with the Occupational Safety and Health Administration (OSHA) standard for Hazardous Waste Operation and Emergency Response (HAZWOPER), 29 CFR 1910.120.

All site workers taking part in remediation activities or who will have the reasonable probability of exposure of safety or health hazards associated with the hazardous material shall have completed Health and Safety training that meets OSHA requirements. Before the start of remediation work, submit to the engineer a site-specific Health and Safety Plan, and written verification that workers will have completed up-to-date OSHA training.

Develop, delineate, and enforce the health and safety exclusions zones for each contaminated site location pursuant to 29 CFR 1910.120.

stp-107-115 (20150630)

9. Archaeological Site Protection.

47LC394/BLC-70 site is located approximately at Station 10+00 RT to Station 23+00 RT within the limits shown on the plans.

Notify the Bureau of Technical Services – Environmental Process and Document Section (BTS-EPDS) at (608) 266-0099 at least two weeks before commencement of any ground disturbing activities. BTS-EPDS will determine if a qualified archaeologist will need to be on site during construction of this area.

Do not use the site for borrow or waste disposal. Do not use the site area not currently capped by asphalt/concrete for the staging of personnel, equipment and/or supplies.

stp-107-220 (20180628)

10. Coordination with Businesses and Residents.

The contractor shall arrange and conduct a meeting between the contractor, the department, affected residents, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week before the start of work under this contract and hold a meeting one week prior to each traffic staging change. The contractor shall arrange for a suitable location for meetings that provides reasonable accommodation for public involvement. The department will prepare and coordinate publication of the meeting notices and mailings for meetings. The contractor shall schedule meetings with at least two weeks' prior notice to the engineer to allow for these notifications.

stp-108-060 (20141107)

Pushbutton:

Furnish freeze-proof ADA compliant pedestrian push buttons made by an approved manufacturer to meet requirements of standard spec 658.

Aluminum Pole Standard and Pedestal Base:

The supporting structure (pole, breakaway transformer/pedestal base) shall be constructed of anodized aluminum and meet requirements of standard spec 657.

Concrete Base:

The concrete base and anchor bolts shall be supplied and installed to meet requirements of a Concrete Base Type 1 of standard spec 654.

Hardware:

Furnish all hardware, connections, etc. to make the RRFB system fully operational.

C Construction

The RRFB system will consist of multiple assemblies to be constructed by the contractor as shown on the plans. Make the RRFB system fully operational. Construct and assemble the system per manufacturer’s instructions.

D Measurement

The department will measure Rectangular Rapid Flashing Beacon System [21st Street] as a single lump sum unit of work for each location, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.07	Rectangular Rapid Flashing Beacon System	LS

Payment is full compensation for furnishing and installing a fully operational RRFB system. Signs are listed elsewhere in the plan and paid for separately by the department.

33. Management of Solid Waste, Item SPV.0195.01.

A Description

A.1 General

This work will conform with the requirements of Section 205 of the Standard Specifications; to pertinent parts of the Wisconsin Administrative Code, Chapters NR 700- 736 Environmental Investigation and Remediation of Environmental Contamination; Wisconsin Administration Code, Chapters NR 500-538, Solid Waste; and as shown on the plans and as supplemented herein.

Soil considered to be solid waste due to the presence of tetrachloroethene (PCE) and metals contamination will be encountered within the construction limits. Impacted waste material excavated during construction which cannot in the opinion of the environmental consultant be managed as common excavation or as petroleum-contaminated soil will be managed as solid waste.

This work consists of excavating, segregating, temporary stockpiling, loading, hauling, and disposing of solid waste material at a WDNR-approved disposal facility. The nearest WDNR-approved disposal facility is:

La Crosse County Landfill
3200 Berlin Road
La Crosse, WI 54601
(608) 498-7201

Provide information to the environmental consultant and engineer that indicates the WDNR-approved disposal facility that the contractor will use.

A.2 Notice to the Contractor – Solid Waste Location

The department and others completed hazardous materials assessment for locations within this project where excavation is required. Investigation for soil contamination was conducted at select locations. Results indicate that solid waste (impacted soils) is present at the following location as shown on the plans:

- Station 74+45 to 74+75, from 5 feet left of the reference line to 20 feet left of the reference line, from 0 to 2 feet bgs. TRC estimates 32 cubic yards (approximately 55 tons at an estimated 1.7 tons per cubic yard) of impacted soil will require off-site disposal as direct landfilled material.

Directly load solid waste soil excavated by the project at the above location into trucks that will transport the material to a WDNR-licensed landfill facility for landfill disposal.

If obviously contaminated soils or signs of NR 500 non-exempt solid waste and hazardous materials are unexpectedly encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer. Examples of these unexpected conditions may include, but are not limited to, buried containers or tanks, noxious odors and fumes, stained soils, sheen on ground water, other industrial wastes, and significant volumes of municipal or domestic garbage.

Active groundwater monitoring wells were not observed within the construction limits. If active groundwater monitoring wells are encountered elsewhere during construction, notify the engineer and protect the wells to maintain their integrity. The environmental consultant will determine if monitoring wells need to be maintained. For monitoring wells that do need to be maintained, adjust the wells that do not conflict with structures or curb and gutter to be flush with the final grade. For wells that conflict with the previously mentioned items or if monitoring wells are not required to be maintained, they will be abandoned by others.

If dewatering is required at the above location, conduct the dewatering according to Section C below.

A.3 Excavation Management Plan Approval

The excavation management plan for this project has been designed to minimize the off- site disposal of contaminated waste. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities in these areas contact:

Name: Stephan Vetsch
Address: 3550 Mormon Coulee Road, La Crosse, WI 54601
Phone: (608) 785-9049
Fax: (608) 785-9969
e-mail: Stephan.Vetsch@dot.state.wi.us

A.4 Coordination

Coordinate work under this contract with the environment consultant:

Name: TRC Environmental Corporation
Address: 708 Heartland Trail, Suite 3000, Madison, WI
Contact: Ted O'Connell
Phone: (608) 826-3648 office; (608) 630-6710 cell
Fax: (608) 826-3941
e-mail: toconnell@trccompanies.com

The role of the environmental consultant will be limited to:

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

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 area of solid waste fill described in A.2 to the environmental consultant. Identify the WDNR licensed landfill facility that will be used for disposal of solid waste and provide this information to the environmental consultant no later than 30 calendar days prior to commencement of excavation in the impacted area or at the preconstruction conference, whichever comes first. The environmental consultant will be responsible for obtaining the necessary approvals from the landfill facility for disposal of the solid waste.

Coordinate with the environmental consultant to ensure that the environmental consultant is present during excavation in the impacted area. Notify the environmental consultant at least three calendar days prior to commencement of excavation in the impacted area. Perform excavation in the impacted area on a continuous basis until excavation work is completed. Do not transport soil containing solid waste offsite without prior approval from the environmental consultant.

A.5 Health and Safety Requirements

Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter contaminated soil. 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 impacted area 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.

B (Vacant)

C Construction

Add the following to standard spec 205.3:

Control operations in the impacted area to minimize the quantity of soil excavated.

The environmental consultant will periodically monitor soil excavated from the area identified in A.2 above. 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.

Directly load and haul solid waste soil designated by the environmental consultant for offsite disposal to the WDNR approved landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of the material. 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 material are licensed for such activity according to applicable state and federal regulations. Obtain the necessary disposal facility approvals and WDNR approvals for disposal. Do not transport regulated solid waste off-site without obtaining the approval of the environmental consultant and engineer and notifying the disposal facility.

During excavations in the areas of known contamination, larger chunks of clean concrete (~2 cubic feet), asphalt and bricks shall be segregated from the fill, to the extent practical and managed as common excavation. Under NR 500.08 this material is exempt from licensing and requirements of Wisconsin Administrative Code NR 500-538 of the solid waste regulations, and will be reused as designated by the engineer as fill on the project, or it will be disposed of off-site at the contractor's disposal site(s).

If dewatering is required in an area of known contamination, water generated from dewatering activities may contain contaminants and require testing, special handling, temporary storage, and disposal. Disposal of contaminated water may require use of a licensed hazardous waste hauler to transport contaminated groundwater to a treatment and disposal facility.

Notify the engineer of any dewatering activities. The contractor shall 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.

Costs associated with excavation dewatering in contaminated areas are considered incidental to this pay item. The Wisconsin Department of Transportation will be the generator of regulated solid waste from this construction project

D Measurement

The department will measure Management of Solid Waste by the ton of waste accepted by the disposal facility, and as documented by weight tickets.

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	Management of Solid Waste	TON

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



Proposal Schedule of Items

Proposal ID: 20210511006 Project(s): 5120-03-72

Federal ID(s): WISC 2021301

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0286	SPV.0090 Special 04. Marking Crosswalk Grooved Transverse Line Epoxy, 12-Inch	3,607.000 LF	_____.	_____.
0288	SPV.0105 Special 01. Install State Furnished Video Detection System STH 33 & 7th Street	LS	LUMP SUM	_____.
0290	SPV.0105 Special 02. Install State Furnished Video Detection System STH 33 & 16th Street	LS	LUMP SUM	_____.
0292	SPV.0105 Special 03. Remove Traffic Signal STH 33 & 7th Street	LS	LUMP SUM	_____.
0294	SPV.0105 Special 04. Remove Traffic Signal STH 33 & 16th Street	LS	LUMP SUM	_____.
0296	SPV.0105 Special 05. Remove and Salvage EVP Equipment STH 33 & 7th Street	LS	LUMP SUM	_____.
0298	SPV.0105 Special 06. Remove and Salvage EVP Equipment STH 33 & 16th Street	LS	LUMP SUM	_____.
0300	SPV.0105 Special 07. Rectangular Rapid Flashing Beacon System	LS	LUMP SUM	_____.
0302	SPV.0195 Special 01. Management of Solid Waste	55.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.



February 11, 2020

Sharlene TeBeest
PO Box 7965
Room 5 South S513.12
Madison, WI 53707-7965

Subject: Concurrence Letter - Phase 2 Phase 2/2.5 Investigation Report and Special Provisions
STH 33 from 3rd St to 23rd St, La Crosse, WI, WisDOT Project ID #5120-03-02

Dear Ms. TeBeest:

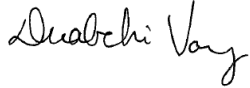
On January 28, 2020, the Department of Natural Resources (the Department) received the report *Phase 2/2.5 Investigation Report STH 33, 3rd Street to 23rd Street, La Crosse, La Crosse County, Wisconsin, WisDOT Project ID #5120-03-02*, which is dated January 28, 2020, and was prepared and submitted on your behalf by TRC Environmental Corporation (TRC). The conclusions and recommendations of this report are:

1. The primary contaminants of concern along the STH 33 corridor are chlorinated volatile organic compounds (VOCs) and heavy metals. Contaminated soil is present within the limits of construction at WisDOT Site 6 and Site 7, Station 74+45 to 74+75 from 5 feet left of the reference line to 20 feet left of the reference line, from 0 to 2 feet below ground surface, and may be encountered at other locations along the STH 33 corridor.
2. Soils excavated during road construction will be evaluated based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Excavated soil will be sampled one time for every 20 cubic yards.
3. Soils with significant metals or VOC contamination, petroleum odor, staining, and/or elevated PID readings greater than 10 parts per million (ppm) or contains industrial fill, will be managed as contaminated soil and will be treated and/or disposed at a WDNR-licensed landfill, the nearest being La Crosse County Landfill.
4. Soil exhibiting low-level contamination based on field-screening (for example, PID readings less than 10 ppm for petroleum contamination) will be suitable for reuse as backfill on the project.
5. An estimated removal of approximately 55 tons of impacted soil will be disposed off-site as direct landfilled material at a WDNR-approved disposal facility. Excavated material which cannot be managed as impacted soil will be managed as solid waste. During excavation, clean concrete (~2 cubic feet), asphalt and bricks shall be segregated from the fill and managed as common excavation as exempt material under Wisconsin Administrative Code NR 500-538.
7. If signs of contamination are unexpectedly encountered, termination of excavation activities in the area will occur and the engineer will be notified.

8. If dewatering is required in an area of known contamination, the contractor shall obtain any permits necessary to discharge water. The water will be tested, handled, stored, and disposed of appropriately at a licensed disposal facility.

Based on our review of this report, we concur with the recommendations of the above cited report and the Special Provisions. Please proceed with your site activities. The Department appreciates the actions that you are taking to restore the environment at this site. If you have any questions regarding this letter, please contact me at (715)-839-3779.

Sincerely,



Duabchi Vang
Hydrogeologist
West Central Region

cc: Shar TeBeest, WisDOT – email only
Stephan Vetsch WisDOT – email only
Ted O'Connell, TRC – email only
Dan Haak, TRC – email only

Appendix D: Laboratory Analytical Report

August 26, 2021

Liz Hoerning
TRC
708 Heartland Trail
Suite 3000
Madison, WI 53717

RE: Project: 440149 PHASE 4 STH 33
Pace Project No.: 40232070

Dear Liz Hoerning:

Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tod Noltemeyer
tod.noltemeyer@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Peggy Popp, TRC - Madison



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 440149 PHASE 4 STH 33

Pace Project No.: 40232070

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 440149 PHASE 4 STH 33
Pace Project No.: 40232070

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40232070001	1817.1	Solid	08/19/21 10:45	08/20/21 09:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 440149 PHASE 4 STH 33

Pace Project No.: 40232070

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40232070001	1817.1	EPA 6010D	TXW	2	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 440149 PHASE 4 STH 33

Pace Project No.: 40232070

Method: EPA 6010D

Description: 6010D MET ICP, TCLP

Client: TRC - MADISON

Date: August 26, 2021

General Information:

1 sample was analyzed for EPA 6010D by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010A with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 440149 PHASE 4 STH 33

Pace Project No.: 40232070

Sample: 1817.1 **Lab ID: 40232070001** Collected: 08/19/21 10:45 Received: 08/20/21 09:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP, TCLP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Leachate Method/Date: EPA 1311; 08/24/21 14:16									
Pace Analytical Services - Green Bay									
Chromium	<0.0025	mg/L	0.010	0.0025	1	08/25/21 12:07	08/26/21 10:18	7440-47-3	
Lead	<0.0059	mg/L	0.020	0.0059	1	08/25/21 12:07	08/26/21 10:18	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 440149 PHASE 4 STH 33
Pace Project No.: 40232070

QC Batch: 394047 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D MET TCLP
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40232070001

METHOD BLANK: 2273851 Matrix: Water
Associated Lab Samples: 40232070001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	mg/L	<0.0025	0.010	08/26/21 10:13	
Lead	mg/L	<0.0059	0.020	08/26/21 10:13	

METHOD BLANK: 2273004 Matrix: Solid
Associated Lab Samples: 40232070001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	mg/L	<0.0025	0.010	08/26/21 11:08	
Lead	mg/L	<0.0059	0.020	08/26/21 11:08	

LABORATORY CONTROL SAMPLE: 2273852

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	mg/L	0.25	0.25	99	80-120	
Lead	mg/L	0.25	0.25	101	80-120	

MATRIX SPIKE SAMPLE: 2273853

Parameter	Units	40232007001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/L	0.072	0.25	0.34	107	75-125	
Lead	mg/L	0.18	0.25	0.47	115	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2273854 2273855

Parameter	Units	40232070001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	mg/L	<0.0025	0.25	0.25	0.26	0.24	102	97	75-125	5	20	
Lead	mg/L	<0.0059	0.25	0.25	0.25	0.24	102	97	75-125	5	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 440149 PHASE 4 STH 33

Pace Project No.: 40232070

MATRIX SPIKE SAMPLE:		2273856					
Parameter	Units	40232098001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	mg/L	<0.010	0.25	0.26	103	75-125	
Lead	mg/L	<0.020	0.25	0.26	103	75-125	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 440149 PHASE 4 STH 33
Pace Project No.: 40232070

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 440149 PHASE 4 STH 33

Pace Project No.: 40232070

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40232070001	1817.1	EPA 3010A	394047	EPA 6010D	394132

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

(Please Print Clearly)

Company Name: **TRC Companies**
 Branch/Location: **Madison, WI**
 Project Contact: **Liz Hoernig**
 Phone: **(608) 630-3760**
 Project Number: **440149**
 Project Name: **Phase 4 Stn 33**
 Project State: **WI**
 Sampled By (Print): **Marshal Toftte**
 Sampled By (Sign): *Marshal Toftte*
 PO #:



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40232070

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)

 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested										
N	N	Lead										
N		TCLP Metals										
		Chromium										

Quote #:

Mail To Contact: Liz Hoernig

Mail To Company: TRC

Mail To Address: 708 Heartland Trail
Madison, WI 53717

Invoice To Contact:

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
Sorry for the mess. There is one sample.		

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
1817.1	1817.1 PB	8/19	10:45	S	X	X	TCLP Metals
1817.1	1817.1	8/19	10:45	S	X	X	TCLP Chromium
				S	X	X	
				S	X	X	
001	1817.1	8/19	10:45	S	X	X	TCLP Metals TCLP Chromium

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By: <i>Marshal Toftte</i> Date/Time: <i>8/19/2021 at 4:00</i>	Received By:	Date/Time:
Transmit Prelim Rush Results by (complete what you want):	Relinquished By: <i>Fedex</i> Date/Time: <i>8/20/21 0925</i>	Received By: <i>Anthony Fendel</i> Date/Time: <i>8/20/21 0925</i>	Date/Time:
Email #1:	Relinquished By:	Received By:	Date/Time:
Email #2:	Relinquished By:	Received By:	Date/Time:
Telephone:	Relinquished By:	Received By:	Date/Time:
Fax:	Relinquished By:	Received By:	Date/Time:
Samples on HOLD are subject to special pricing and release of liability	Relinquished By:	Received By:	Date/Time:

PACE Project No. 40232070

Receipt Temp = 1 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

40232070

Addresses		Order By :	Ship To :	Return To:	
Company	TRC	Company	TRC	Company	Pace Analytical Green Bay
Contact	Liz Hoerning	Contact	Liz Hoerning	Contact	Noltemeyer, Tod
Email	lhoerning@trccompanies.com	Email	lhoerning@trccompanies.com	Email	tod.noltemeyer@pacelabs.com
Address	708 Heartland Trail	Address	708 Heartland Trail	Address	1241 Bellevue Street
Address 2	Suite 3000	Address 2	Suite 3000	Address 2	Suite 9
City	Madison	City	Madison	City	Green Bay
State	WI Zip 53717	State	WI Zip 53717	State	WI Zip 54302
Phone	(608) 630-3760	Phone	(608) 630-3760	Phone	(920)469-2436

Info							
Project Name	TCLP Metals	Due Date	08/11/2021	Profile	1970	Quote	
Project Manager	Noltemeyer, Tod	Return Date		Carrier	Most Economical	Location	

Trip Blanks

Include Trip Blanks

Bottle Labels

Blank

Pre-Printed No Sample IDs

Pre-Printed With Sample IDs

Bottles

Boxed Cases

Individually Wrapped

Grouped By Sample ID/Matrix

Return Shipping Labels

No Shipper

With Shipper

Misc

Sampling Instructions

Custody Seal

Temp. Blanks

Coolers

Syringes

Extra Bubble Wrap

Short Hold/Rush Stickers

DI Water

USDA Regulated Soils

COC Options

Number of Blanks

Pre-Printed

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
2	SL	TCLP Metals	9 oz amber glass (two)	4	0	F-9-318-02AB	Two jars per sample.

Hazard Shipping Placard In Place : NA

- 'Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.
- 'Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
- 'Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.
- 'Payment term are net 30 days.
- 'Please include the proposal number on the chain of custody to insure proper billing.

LAB USE:

Ship Date :

Prepared By:

Verified By:

Sample

CLIENT USE (Optional):

Date Rec'd:

Received By:

Verified By:

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: TRC

Project # 40232070

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)							
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN				
001																																					2.5 / 5 / 10
002																																					2.5 / 5 / 10
003																																					2.5 / 5 / 10
004																																					2.5 / 5 / 10
005																																					2.5 / 5 / 10
006																																					2.5 / 5 / 10
007																																					2.5 / 5 / 10
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018																																					2.5 / 5 / 10
019																																					2.5 / 5 / 10
020																																					2.5 / 5 / 10

8/20/21
AW

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	VG9A 40 mL clear ascorbic	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL amber Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 100 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN
BG3U 250 mL clear glass unpres			



Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: TRC

WO# : 40232070

Courier: CS Logistics Fed Ex Speedee UPS Waltco
 Client Pace Other: _____



Tracking #: 2827 5990 0630

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR-107 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr:

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:	
Date: <u>8/20/21</u>	Initials: <u>AW</u>
Labeled By Initials: <u>MP</u>	

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no p# #, pres, inv. info 8/20/21 AW</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>3</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Appendix E: WDNR Cap Modification Approval

Voit, Angela

From: Vang, Duabchi L - DNR <duabchi.vang@wisconsin.gov>
Sent: Friday, February 7, 2020 3:43 PM
To: Voit, Angela
Subject: [EXTERNAL] RE: BRRTS 02-32-271770_Post Closure Modification Request STH 33 Corridor, LaCrosse, LaCrosse County (WisDOT ID 5120-03-02)

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

Angie,

This email is a response to the Post Closure Modification Request for the closed site Former One Hour Cleaners BRRTS #02-32-271770 dated January 28, 2020. The proposal is to replace a portion of the existing cap with an equally protective cap during replacement of a manhole and casting and pavement repair on the STH 33 corridor. Any soil excavated during the construction will be managed according to the Special Provisions pending approval from the DNR for the project. If there are any significant changes to the proposed plan, the Department should be notified.

According to DNR Guidance [RR-987](#), no fee is required for this post-modification request, due to the cap being replaced and any excavated soil will be field-screened and disposed at a WDNR licensed landfill.

Following the construction activities, please submit a report with the following:

- Brief description of site redevelopment activities
- An updated cap maintenance log with attached photos of the newly constructed cap over remaining contamination
- Disposal documentation for any soil excavated and sampling results for any soil samples submitted for laboratory analysis

Thank you,
Dee

We are committed to service excellence.

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

Duabchi (Dee) Vang

Hydrogeologist

Remediation and Redevelopment

Wisconsin Department of Natural Resources

Phone: (715)-839-3779

duabchi.vang@wisconsin.gov



dnr.wi.gov



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

Sent: Tuesday, January 28, 2020 11:00 AM

To: Kinney, Deena - DNR <Deena.Kinney@wisconsin.gov>; Vang, Duabchi L - DNR <duabchi.vang@wisconsin.gov>;

Vetsch, Stephan - DOT <Stephan.Vetsch@dot.wi.gov>; DOT Hazmat Unit <DOTHazmatUnit@dot.wi.gov>

Cc: O'Connell, Theodore <TOConnell@trccompanies.com>; Auner, Lydia <LAuner@trccompanies.com>; Haak, Daniel <DHaak@trccompanies.com>

Subject: BRRTS 02-32-271770_Post Closure Modification Request STH 33 Corridor, LaCrosse, LaCrosse County (WisDOT ID 5120-03-02)

Attached is the Post Closure Modification Request for the STH 33 Corridor in LaCrosse, LaCrosse County (BRRTS 02-32-271770). This has been uploaded to the WDNR RR Portal and a hard copy is also being sent.

Angie Voit

Senior Project Coordinator



708 Heartland Trail, Suite 3000, Madison, WI 53717

T 608.444.3509 | avoit@trccompanies.com

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