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October 6, 2014

Mr. Tauren Beggs
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313-6727

Subject: Contaminated Soil Management Documentation Report
STH 32, Pulaski, Wisconsin
WisDOT ID #9190-13-71

Dear Mr. Beggs:

The attached report documents the contaminated soil management at sites along STH 32 in Pulaski, Wisconsin. The report includes a brief summary of the activities that occurred during the project.

The WisDOT retained TRC to provide construction oversight and services for contaminated soil management during the project

Feel free to call me at (608) 826-3659, or Dan Haak at (608) 826-3628, with any questions.

Sincerely,

TRC Environmental Corporation

Dennis Siewert
Senior Designer /bjl

Daniel Haak, P.E.
Project Manager

cc: Kathie VanPrice – WisDOT (hard copy and pdf on CD)
Shar TeBeest – WisDOT (hard copy and pdf on CD)
Jim Morse – TRC



Contaminated Soil Management Documentation Report

STH 32
Pulaski, Wisconsin

WisDOT ID #9190-13-71

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Dennis Siewert
Senior Designer



Daniel Haak, P.E.
Project Manager



James E. Morse
Senior Client Service Manager

Table of Contents

Commonly Used Abbreviations and Acronyms	ii
Executive Summary	iii
1. Introduction.....	1
1.1 Background	1
1.2 Purpose	2
2. Contaminated Soil Management.....	3
3. Conclusions	4

List of Tables

Table 1	Summary of Soil Field-Screening Results
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List of Appendices

Appendix A	Highway Construction Plans
Appendix B	Special Provisions
Appendix C	Soil Disposal Records
Appendix D	Photo Log

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 WisDOT is completing the reconstruction of STH 32 (Wisconsin St. / Pulaski St. / St. Augustine St.) from the intersection of Green Bay St. and Wisconsin St., to the approximate intersection of Deer Dr. and St. Augustine St., including Pulaski St. from Wisconsin St. to St. Augustine St. (WisDOT Project ID #9190-13-71), in Pulaski, Wisconsin. The Special Provisions describe the management of potentially petroleum-contaminated soil at four sites (2, 3, 5, and 6) along the project corridor, the potential for lead-contaminated soil at one site (6), and the potential for USTs at three sites (3, 4, and 6) along the project corridor.

The WisDOT retained TRC Environmental Corporation (TRC) to provide construction oversight management services for this project during utility excavations within potentially petroleum-contaminated and low level lead contaminated soil. This report summarizes the observations and activities performed by TRC during this project.

TRC observed Peters Concrete Co. (Peters) complete excavations for the installation of new storm sewers, the removal of old storm sewers, and excavation beyond subgrade (EBS) within the limits of potentially petroleum-contaminated soil at 4 sites and low level lead at 1 site. Also, TRC observed Peters excavate nine test pits to approximately 6-feet bgs within areas which were previously identified as areas of potential USTs.

TRC field-screened soil with a PID, and also observed for odors and visual evidence of soil staining. If previous investigations and/or field screening indicated significant petroleum-soil contamination, the soil was hauled to the landfill under the contaminated soil waste profile for treatment and disposal at Advanced Disposal Hickory Meadows Landfill in Hilbert, Wisconsin. A total of 1289.39 tons of petroleum-contaminated soil was taken to the landfill for treatment and disposal. Low-level petroleum-contaminated soil was re-used as backfill in accordance with the Special Provisions. No evidence of a potential source of low-level lead contamination was observed in soils adjacent to Site 6. Groundwater was not encountered at the identified sites during utility construction, and no evidence of USTs were observed within the test pit investigation locations.

The WisDOT has fulfilled their commitment to manage the contaminated soil during the STH 32 reconstruction in Pulaski in accordance with the Special Provision for the project.

On the basis of the results of the field observations, field-screening, and information included in the Special Provision, the WisDOT has properly managed the excavated soil for the new storm sewer line construction, old storm sewer removal, and EBS adjacent to the identified petroleum-contaminated sites on Pulaski Street/STH 32. TRC recommends that the WisDOT take no further action to investigate or remediate soil or groundwater impacts that may remain at these sites.

Section 1

Introduction

1.1 Background

The WisDOT is completing the reconstruction of STH 32 (Wisconsin St. / Pulaski St. / St. Augustine St.) from the intersection of Green Bay St. and Wisconsin St. to the approximate intersection of Deer Dr. and St. Augustine St., including Pulaski St. from Wisconsin St. to St. Augustine St. (WisDOT Project ID #9190-13-71) in Pulaski, Wisconsin. Highway construction plans are presented in Appendix A, and Special Provisions are presented in Appendix B. The reconstruction included replacement of curb and gutter, sidewalk, and pavement, as well as the installation of new underground utilities (including storm sewer) along STH 32.

A Phase I HMA Report, previously completed by STS Consultants, Ltd. (STS) in June 2007, identified six potential hazardous materials sites along the STH 32 project corridor that were recommended for additional investigations. Based on the investigation and the latest WisDOT plans, TRC investigated the six sites.

On February 25, 2013, TRC completed a Phase 2/2.5 Investigation of the project corridor adjacent to the six sites. The results of the investigation, and the previous Phase 1 HMA along the project corridor, indicate that petroleum-contaminated and potentially low-level lead contaminated soil may exist within the limits of construction at the following four locations:

- **Site 2** - Adjacent to 108 S. St. Augustine Street, from Station 498+75 to 500+00 from reference line to construction limits left and right, and from Station 35+25 to 36+00 (E. Pulaski Street) from reference line to construction limits on the left.
- **Site 3** - Adjacent to 118 E. Pulaski Street, from Station 32+75 to 34+40, from reference line to the construction limits on the left.
- **Site 5** - Adjacent to 113 S. Wisconsin Street, from Station 12+75 to 15+00, from reference line to the construction limits on the left.
- **Site 5 and 6** - Adjacent to 113 S. Wisconsin Street and 104 S. Wisconsin Street, from Station 11+50 to 12+75, from reference line to the construction limits on the left and construction limits on the right.

Historical information collected prior to TRC's investigation, as well as a metal detector survey conducted during the investigation, indicate a potential for USTs to exist at the following locations:

- **Site 3** - Station 32+75 to 33+00 and Station 34+00 to 34+50, from 20-feet left of reference line to limits of construction left.
- **Site 4** - Station 30+50 to 31+25, from 20-feet left of reference line to limits of construction left.
- **Site 6** - Station 299+25 to 299+50, from 20-feet left of reference line to limits of construction left, and Station 12+25 to Station 12+50, from 20-feet right of reference line to limits of construction right.

The WisDOT retained TRC to provide construction oversight and contaminated soil management services for this project.

1.2 Purpose

TRC observed the utility contractor, Peters, during utility construction within areas of potential soil contamination. This report summarizes the observations and activities performed by TRC during this project, and documents disposal of contaminated soil from the project corridor.

Section 2

Contaminated Soil Management

TRC was on-site periodically during excavation of the sites with potential contamination from April through August 2014.

At sites with potentially petroleum-contaminated soil, TRC field-screened soil with a PID, and also observed for odors and visual evidence of soil staining. Soil field-identified as significant petroleum-contaminated (based on previous investigations and field-screening, including PID >10 ppm), was hauled to the Advanced Disposal-Hickory Meadows Landfill for treatment and disposal. If previous investigations and/or field screening (PID <10 ppm) indicates low-level petroleum contamination, the soil was re-used as backfill.

Petroleum-contaminated soil was encountered during underground utility construction at the intersection of Wisconsin Street and Pulaski Street (Sites 5 and 6), Pulaski Street (Site 3), and at the intersection of Pulaski Street and St. Augustine Street (Site 2).

EBS on Pulaski Street (Site 3) took place between Stations 33+20 and 35+40 from reference line to construction limits left and contained contaminated soil. This soil was removed during construction activities. Following excavation of the contaminated EBS soils, field screening of soils collected from the base indicate that contaminated soil (>10 ppm) exists beneath the road base at this location.

A total of 1289.39 tons of petroleum-contaminated soil was taken to the landfill for treatment and disposal. Field screening PID results including the location of field screening samples are summarized in Table 1. Landfill documentation of petroleum-contaminated soil disposal is attached in Appendix C. Photographs from the project are included in Appendix D.

Section 3

Conclusions

TRC completed observation of the contractor's excavations and their management of petroleum-contaminated soil for the WisDOT during the reconstruction of STH 32 in Pulaski, Wisconsin.

TRC field-screened areas of potential petroleum-contaminated soil. Petroleum-contaminated soil was encountered during storm sewer excavations on Wisconsin Street (Site 6), between Stations 11+60 to 12+35, at the intersection of Wisconsin Street and Pulaski Street, on Pulaski Street (Site 3) between Stations 33+45 and 34+00, at the intersection of Pulaski Street and St. Augustine Street (Site 2) and in the EBS on Pulaski Street (Site 3) between Stations 33+20 and 35+40) as identified in the Special Provisions. Following excavation of the EBS soils, soil samples collected from the base indicate that contaminated soil (>10 ppm) exists beneath the road between Stations 33+20 to 35+40 from reference line to construction limits left. A total of 1289.39 tons of soil was taken for treatment and disposal at Advanced Disposal Hickory Meadows Landfill.

Groundwater was not encountered at the sites with potential petroleum contamination. No USTs were encountered during test-pit investigations at the identified locations at Sites 3, 4, and 6. Test pits excavations for the location of potential USTs are presented on Table 1. No evidence of low-level lead-contaminated soil adjacent to 104 S. Wisconsin Street (Site 6) was encountered during the test pit investigation.

The WisDOT has fulfilled their commitment to manage the contaminated soils during the STH 32 reconstruction in Pulaski in accordance with the Special Provision for the project.

On the basis of the results of the field observations, field-screening, and information included in the Special Provision, the WisDOT has properly managed the excavated soil from the new storm sewer line construction and EBS adjacent to the identified petroleum-contaminated sites on STH 32. TRC recommends that the WisDOT take no further action to investigate or remediate soil or groundwater impacts that may remain at the investigated sites.

Table 1
Summary of Soil Field-Screening Results
STH 32, Pulaski, Wisconsin
WisDOT Project ID #9190-13-71

DATE	Site #	LOCATION	DEPTH (ft bgs)	PID (ppm)	COMMENTS
4/10/2014	3	E. Pulaski St. Station 33+45, 6' R of reference line. Stormsewer trench.	3-5'	45	Brown silty clay, strong gasoline odor
4/10/2014	3	E. Pulaski St. Station 33+60, 6' R of reference line. Stormsewer trench.	3-5'	21	Brown silty clay, strong gasoline odor
4/10/2014	3	E. Pulaski St. Station 33+80, 6' R of reference line. Stormsewer trench.	3-5'	75	Brown silty clay, strong gasoline odor
4/10/2014	3	E. Pulaski St. Station 34+00, 6' R of reference line. Stormsewer trench.	3-5'	170	Brown silty clay, strong gasoline odor
4/15/2014	3	E. Pulaski St. Station 34+25, 6' R of reference line. Stormsewer trench.	3-5'	10	Brown silty clay, mild gasoline odor
4/15/2014	3	E. Pulaski St. Station 34+40, 6' R of reference line. Stormsewer trench.	3-5'	7.5	Brown silty clay, mild gasoline odor
4/15/2014	3	E. Pulaski St. Station 34+50, 6' R of reference line. Stormsewer trench.	3-5'	7	Brown silty clay, mild gasoline odor
4/15/2014	3	E. Pulaski St. Station 34+65, 6' R of reference line. Stormsewer trench.	3-5'	0	Brown silty clay, no odor
4/15/2014	2	E. Pulaski St. Station 34+80, 6' R of reference line. Stormsewer trench.	3-5'	0	Brown silty clay, no odor
4/15/2014	2	E. Pulaski St. Station 34+95, 6' R of reference line. Stormsewer trench.	3-5'	0	Brown silty clay, no odor
4/15/2014	2	E. Pulaski St. Station 35+15, 6' R of reference line. Stormsewer trench.	3-5'	0	Brown silty clay, no odor
4/15/2014	2	E. Pulaski St. Station 35+30, 6' R of reference line. Stormsewer trench.	3-5'	0	Brown silty clay, no odor
4/15/2014	2	E. Pulaski St. Station 35+50, 6' R of reference line. Stormsewer trench.	3-5'	0	Brown silty clay, no odor
4/16/2014	5	E. Pulaski St. Station 14+53 from 5' R of reference line to construction limits left. Installation of MH-30, and Inlet connections 30A/B and connecting stormsewer trench.	8' / 5'	0 / 0	Brown sandy / silty soil, no odor
4/16/2014	6	E. Pulaski Street - Station 299+50, at construction limits left (installation of Inlet basins 25C & 25D).	8	3	Brown silty clay, mild gasoline odor
4/21/2014	6	E. Pulaski Street - Station 299+50, installation of MH 25 and stormsewer from MH 25 to inlet basin 25C.	8' / 5'	1.1 / 3.0	Brown silty clay, no odor
4/21/2014	5	S. Wisconsin Street - Stormsewer trench between Stations 12+20 to 12+70 between 6' to 20' Left of reference line.	3-5'	58	Brown silty clay, strong gasoline odor
4/21/2014	5	S. Wisconsin Street - North/South Stormsewer trench between Inlet Basins 60D and 60A, Stations 12+20 to 12+38 at construction limits left.	3-5'	128	Brown silty clay, strong gasoline odor
4/22/2014	3	E. Pulaski St. Station 34+40, Construction limits left for Inlet Basin 145B	6'	40	Brown silty clay, strong gasoline odor
4/23/2014	5	Intersection of Wisconsin Street and Pulaski Street - North/South Stormsewer trench between Inlet Structure 60A and 60C, Stations 12+00 to 12+20 at construction limits left.	3-5'	585	Brown silty clay, strong gasoline odor
4/23/2014	5	Intersection of Wisconsin Street and Pulaski Street - Stormsewer trench between Inlet Basin 60A and MH60, Station 12+15 from 5' Left of reference line to construction limits left.	3-5'	276	Brown silty clay, strong gasoline odor
4/23/2014	6	S. Wisconsin St. Station 12+15 between MH 60 to Inlet Basin 60B.	3' / 5'	55 / 158	Brown silty clay, strong gasoline odor
4/23/2014	5	S. Wisconsin St. - abandonment of existing stormsewer trench from approximate STA 12+00 to 12+38 - 20' left of reference line.	3-5'	510	Brown silty clay, strong gasoline odor

DATE	Site #	LOCATION	DEPTH (ft bgs)	PID (ppm)	COMMENTS
4/23/2014	5	S. Wisconsin St. - abandonment of existing stormsewer trench from approximate STA 12+38 to 12+75 - 20' left of reference line.	3-5'	4	Brown silty clay, mild gasoline odor
4/23/2014	5	E. Pulaski Street - Stormsewer trench between MH 60 and MH20, Station 12+50 to 13+00.	3-5'	0	Brown sandy silty clay, no odor
4/23/2014	5	E. Pulaski St. Station 15+55 between construction limits Left and Right. (Installation of MH-35 and Inlet Basins 35A, 35B, 35C, and 35D.	8' / 5'	0 / 0	Brown sandy silty clay, no odor
5/13/2014	2	E. Pulaski St. Station 35+65, construction limits Left, (Installation of Inlet Basin 147C).	8'	286	Brown silty clay, strong gasoline odor
5/13/2014	2	St. Augustine St. Station 549+40 - 55, construction limits right (installation of inlet basins 155B and 155D.	8'	1340	Brown silty clay, strong gasoline odor
5/13/2014	2	St. Augustine St. Station 549+40 - 55, construction limits left (installation of inlet basins 155A and 155C.	8'	0	Brown sandy silty clay, gasoline odor
5/14/2014	3	E. Pulaski St. between Stations 33+20 and 35+40 from reference line to construction limits Left, Excavation Beyond Subgrade (EBS).	2' EBS	22 - 280	Brown silty clay, strong gasoline odor
8/6/2014	5/6	S. Wisconsin St. - installation of new storm sewer between STA 11+30 to 11+50 - 8' left of reference line.	3-6'	0	Brown sandy silty clay, no odor
8/6/2014	5/6	S. Wisconsin St. - installation of new storm sewer between STA 11+60 - 8' left of reference line.	3-6'	10	Brown sandy silty clay, mild gasoline odor
8/6/2014	5/6	S. Wisconsin St. - installation of new storm sewer between STA 11+70 - 8' left of reference line.	3-6'	7	Brown sandy silty clay, mild gasoline odor
8/6/2014	5/6	S. Wisconsin St. - installation of new storm sewer between STA 11+85 - 8' left of reference line.	3-6'	34	Brown sandy silty clay, mild gasoline odor
8/18/2014	5/6	S. Wisconsin St. - Station 12+15 at construction limits right - Installation of inlet basin 60B	3'5'/8'	0/39/1584	Brown silty sand, strong gasoline odor
Test Pits for Potential UST Search					
4/22/2014	6	Test Pit for UST search - E. Pulaski St. - Station 299+70 - Construction limits left	2'4'/6'	0/31/40	No UST encountered
4/22/2014	6	Test Pit for UST search - E. Pulaski St. - Station 299+50 - Construction limits left	2'4'/6'	0/30/40	No UST encountered
4/22/2014	6	1 Test Pit for UST search - E. Pulaski St. - Station 299+30 - Construction limits left	2'5'/6'	0/104/85	No UST encountered
4/22/2014	4	1 Test Pit for UST search - E. Pulaski St. - Station 30+50 - Construction limits left	3'5.5'	0/0	No UST encountered
4/22/2014	4	1 Test Pit for UST search - E. Pulaski St. - Station 30+75 - Construction limits left	3'5.5'	0/0	No UST encountered
4/22/2014	4	1 Test Pit for UST search - E. Pulaski St. - Station 31+15 - Construction limits left	2.5'/5.5'	4/0	No UST encountered
4/22/2014	3	1 Test Pit for UST search - E. Pulaski St. - Station 32+80 - Construction limits left	2'4'/6'	0/0/0	No UST encountered
4/22/2014	3	1 Test Pit for UST search - E. Pulaski St. - Station 34+20 - Construction limits left	2'/6'	4/40	No UST encountered
4/22/2014	3	1 Test Pit for UST search - E. Pulaski St. - Station 34+40 - Construction limits left	6'	59	No UST encountered
Notes: PID=Photoionization Detector			Created By: D. Siewert - 8/80/14 Checked By: N. Braun 9/4/14		

Appendix A

Highway Construction Plans

2

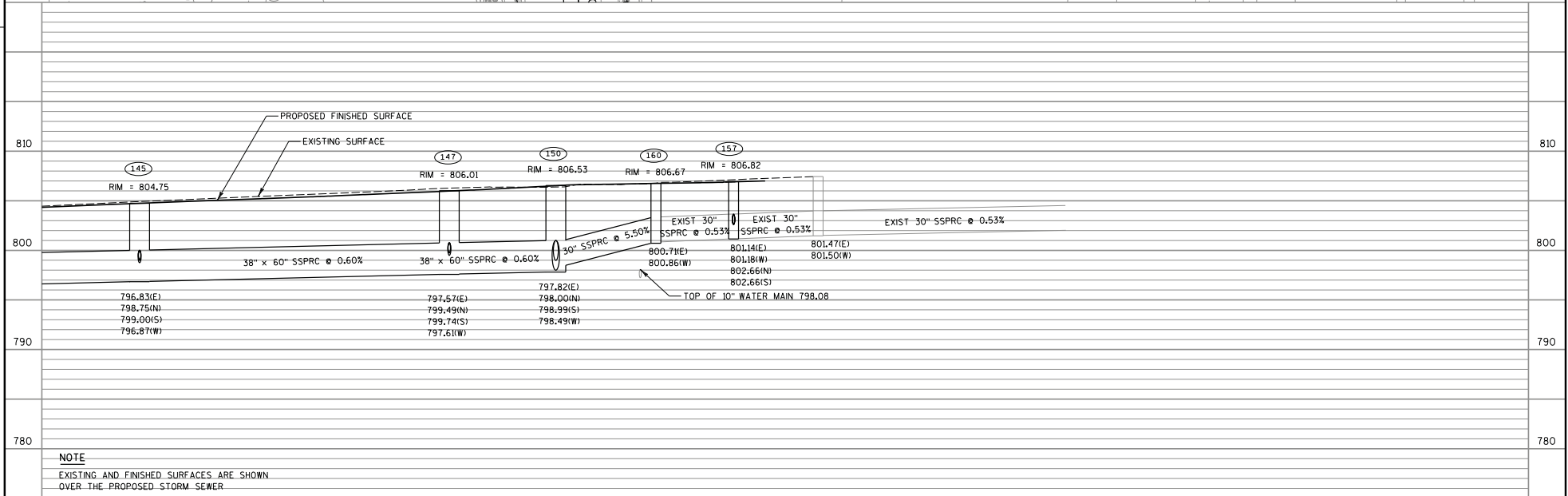
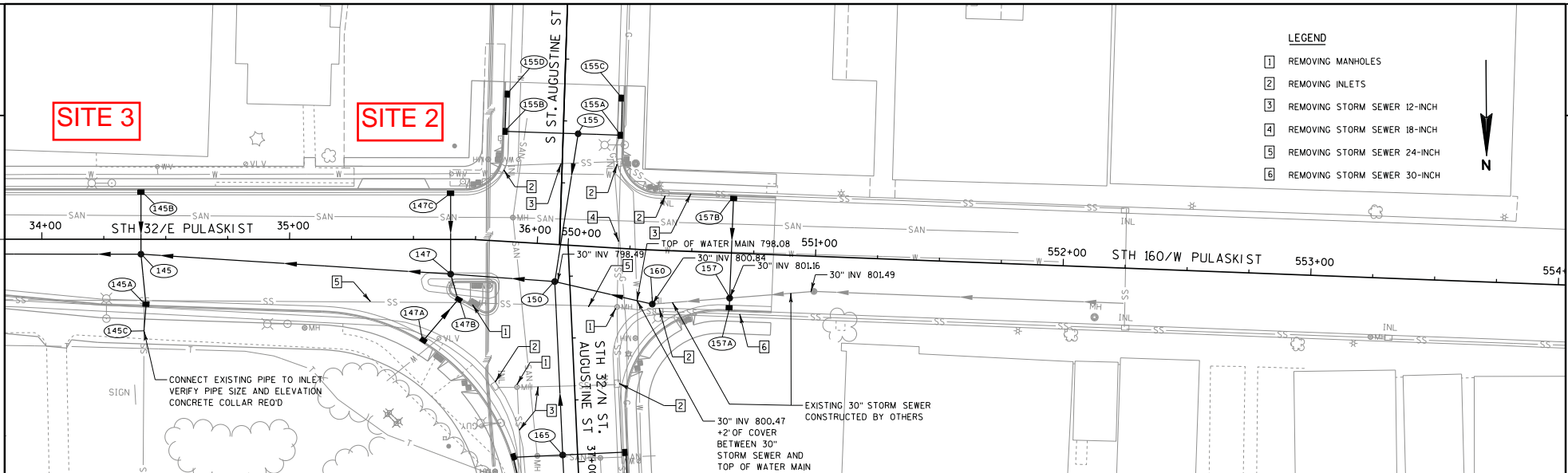
2

SITE 3

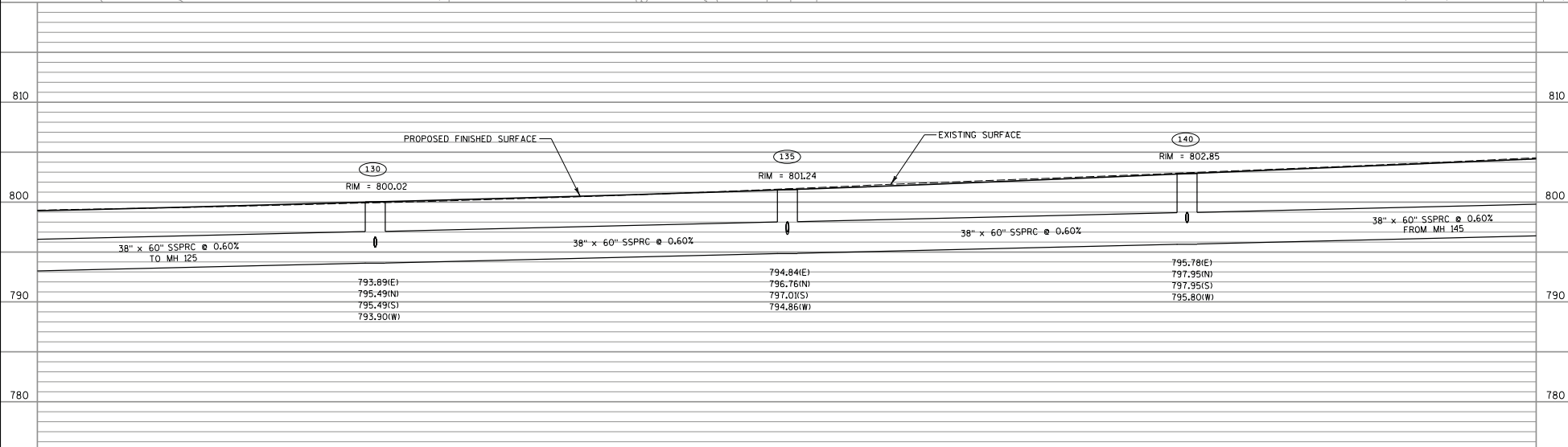
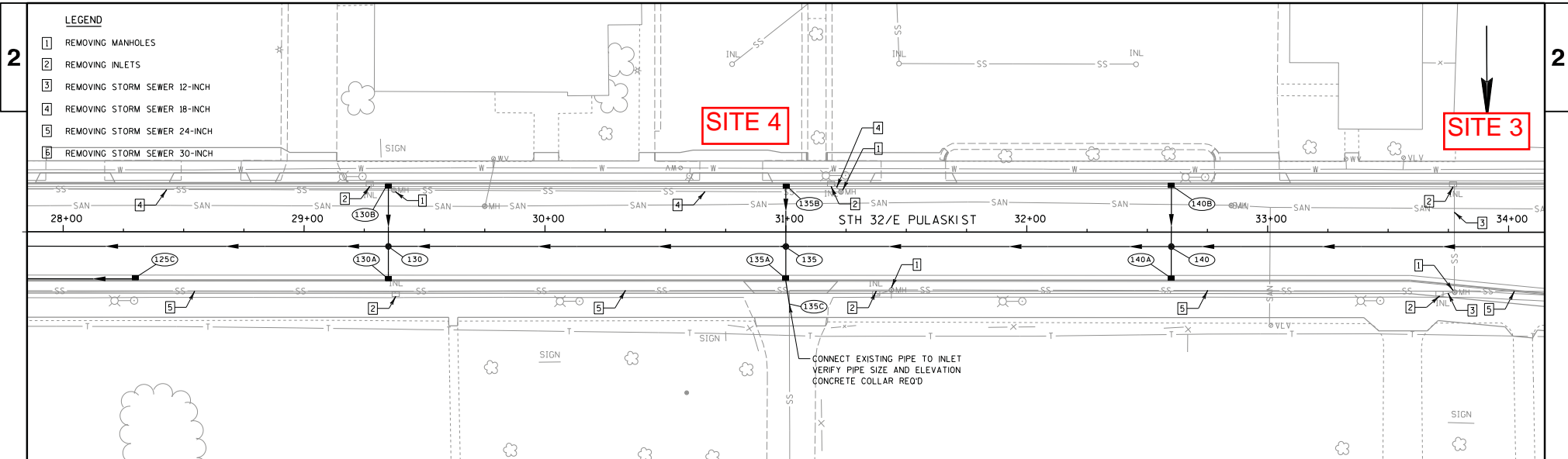
SITE 2

LEGEND

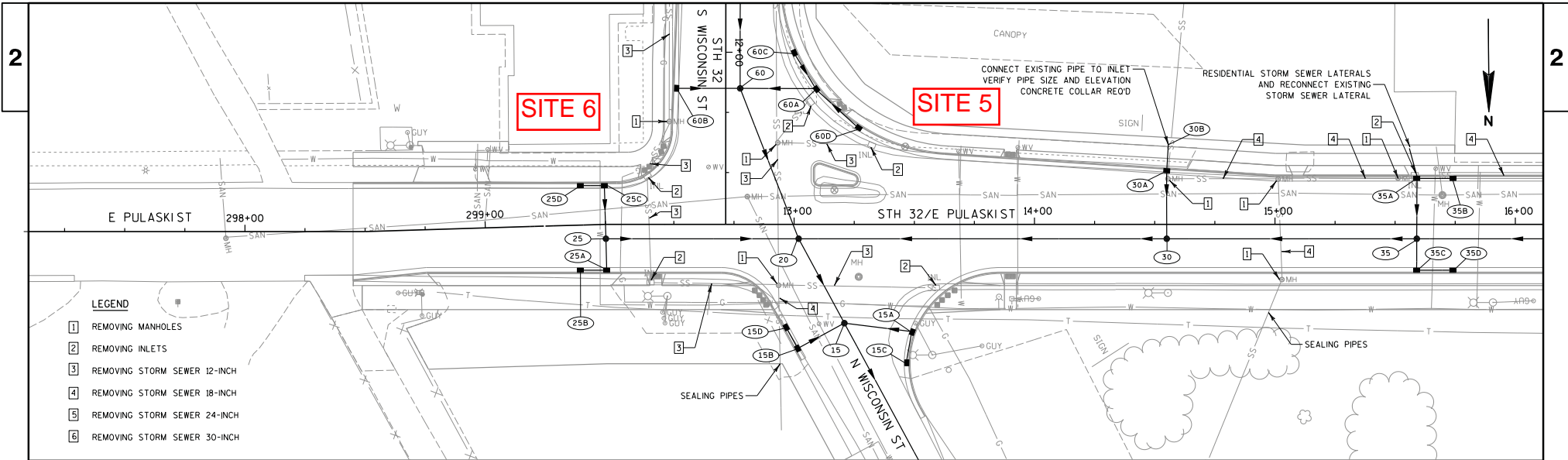
- 1 REMOVING MANHOLES
- 2 REMOVING INLETS
- 3 REMOVING STORM SEWER 12-INCH
- 4 REMOVING STORM SEWER 18-INCH
- 5 REMOVING STORM SEWER 24-INCH
- 6 REMOVING STORM SEWER 30-INCH



PROJECT NO: 9190-13-71 HWY: STH 32 COUNTY: BROWN STORM SEWER SHEET 69 E

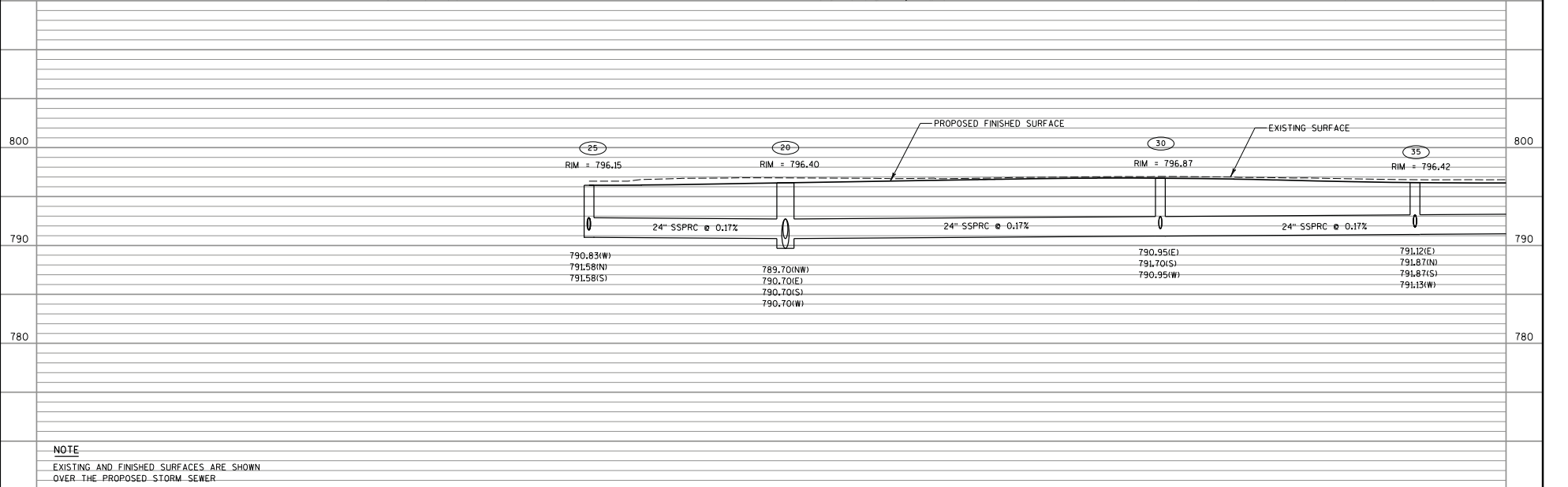


NOTE
EXISTING AND FINISHED SURFACES ARE SHOWN
OVER THE PROPOSED STORM SEWER



LEGEND

- 1 REMOVING MANHOLES
- 2 REMOVING INLETS
- 3 REMOVING STORM SEWER 12-INCH
- 4 REMOVING STORM SEWER 18-INCH
- 5 REMOVING STORM SEWER 24-INCH
- 6 REMOVING STORM SEWER 30-INCH



NOTE
EXISTING AND FINISHED SURFACES ARE SHOWN
OVER THE PROPOSED STORM SEWER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER		SHEET 64	E
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Appendix B Special Provisions

Haak, Daniel

From: Taddy, Vickie J - DNR <Vickie.Taddy@wisconsin.gov>
Sent: Tuesday, April 16, 2013 4:42 PM
To: Sellwood, Alyssa
Subject: FW: Concurrence with Special Provisions for STH 32 Pulaski Project WI DOT Project ID # 9190-13-00

Sorry-guess the first email went to an old address

From: Taddy, Vickie J - DNR
Sent: Tuesday, April 16, 2013 4:35 PM
To: Sellwood, Alyssa; kathie.vanprice@dot.state.wi.us
Subject: Concurrence with Special Provisions for STH 32 Pulaski Project WI DOT Project ID #9190-13-00

Kathie and Alyssa:

I have reviewed the Phase 2/2.5 Site Investigation Report and Special Provisions Plan submitted by TRC, and I concur with the Excavation Management Plan (EMP) for the STH 32 project in Pulaski, Wisconsin, WisDot Project ID #9190-13-00.

Vickie

*Vickie Taddy
Hydrogeologist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Ave., Green Bay, WI 54307*

phone: (920) 662-5178
e-mail: vickie.taddy@wisconsin.gov

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For more information please visit <http://www.symanteccloud.com>

B Materials

Provide cellular concrete meeting the following specifications: 1 part cement, 1 part fly ash, 8 parts sand, or an approved equal, and water. Provide cement meeting the requirements of standard spec 501.2.1 for Type 1 Portland Cement. Provide sand meeting the requirements of standard spec 501.2.5.3 Provide water meeting the requirements of standard spec 501.2.4.

C Construction

Fill the abandoned sewer pipe with cellular concrete as directed by the engineer. In the event that the sewer cannot be completely filled from existing manholes, tap the sewer where necessary and fill from these locations.

D Measurement

The department will measure Abandoning Sewer in volume by the cubic yard according to standard spec 109.1.3.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.0291.S	Abandoning Sewer	CY

Payment is full compensation for furnishing all materials and excavating and backfilling where necessary.

204-050 (20080902)

22. Excavation, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S.

A Description

A.1 General

This special provision describes excavating, loading, hauling, and disposing of petroleum-contaminated soil and management of lead-contaminated soil. Petroleum-contaminated soil shall be disposed of at a Wisconsin Department of Natural Resources (WDNR)-approved bioremediation facility. Lead-contamination soil shall be reused within the limits of construction. The closest bioremediation facilities are:

Waste Management – Ridgeview RDF
 6207 Hempton Lake Road
 Whitelaw, Wisconsin 54247
 (920) 732-4473 Ext. 228

Veolia – Hickory Meadows Landfill
 W3105 Schneider Road
 Hilbert, Wisconsin 54129
 (920) 853-8553

Perform this work in accordance 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 petroleum- and lead-contaminated soil.

A.2 Notice to the Contractor

The department completed testing for soil contamination for locations within this project where excavation is required. Testing indicated that petroleum-contaminated soil is present at the following locations:

- Site 2: Station 498+75 to 500+00 and from Station 35+25 to 36+00, from reference line to the construction limits on the left
- Site 3: Station 32+75 to 34+40, from reference line to the construction limits on the left.
- Site 5: Station 12+75 to 15+00, from reference line to the construction limits on the left.
- Site 5 and 6: Station 11+50 to 12+75, from reference line to the construction limits on the left and construction limits on the right

Testing indicated that lead-contaminated soil is present at the following locations:

- Site 6: Station 10+75 to 11+25 from reference line to the construction limits on the right.

No underground storage tanks (USTs) were encountered during the testing; however, historical data and metal detector survey indicate USTs may exist at the following locations:

- Site 3: Station 32+75 to 33+00 and Station 34+00 to 34+50, from 20-feet left of reference line to limits of construction left.
- Site 4: Station 30+50 to 31+25, from 20-feet left of reference line to limits of construction left.
- Site 6: Station 299+25 to 299+50, from 20-feet left of reference line to limits of construction left, and Station 12+25 to Station 12+50, from 20-feet right of reference line to limits of construction right.

Contaminated soils and 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. Contaminated soil at other locations shall be managed by the contractor under this contract as specified herein. USTs will be removed by others.

For further information regarding previous investigation at these sites contact:

Name: Kathie VanPrice
Wisconsin DOT, Northeast Region
Address: 944 Vanderperren Way
Green Bay, WI 54304
Phone: (920) 492-7175
Fax: (920) 492-0144
e-mail: kathie.vanprice@dot.state.wi.us

A.3 Coordination

Coordinate work under this contract with the environment consultant:

Consultant: TRC Environmental Corporation
Address: 708 Heartland Trail, Suite 3000, Madison, WI 53717
Fax: (608) 826-3941

Contact: Dan Haak
Phone: (608) 826-3628 office, (608) 886-7423 mobile
e-mail: DHaak@trcsolutions.com

Contact: Alyssa Sellwood
Phone: (608) 826-3658 office, (608) 234-8001 mobile
e-mail: ASellwood@trcsolutions.com

The role of the environmental consultant will be limited to:

- 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;
- Identifying petroleum-contaminated soils to be hauled to the bioremediation facility;
- Documenting that activities associated with management of petroleum- and lead-contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein;
- Obtaining the necessary approvals for disposal of petroleum-contaminated soil from the bioremediation facility,
- Characterizing and obtaining necessary approvals for disposal of contaminated material not previously identified during testing.

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 WDNR-approved bioremediation facility that will be used for disposal of petroleum-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 bioremediation 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 offsite without prior approval from the environmental consultant.

A.4 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 VanPrice with the department, at (920) 492-7175.

A.5 Health and Safety Requirements for Workers Remediating Contamination

Supplement standard spec 107.1 with the following:

During excavation activities, expect to encounter soil contaminated with lead, gasoline, diesel fuel, or other petroleum related products. 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 petroleum-contaminated soil at the bioremediation facility is subject to the facility's safety policies.

B (Vacant)

C Construction

Supplement standard spec 205.3 with the following:

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated. Contaminated soils are expected to be beyond the excavation limits necessary to complete the work under this project. Control construction operations at these locations

to ensure that they do not extend beyond the minimum required to construct utilities and highway improvements unless expressly directed to do so by the engineer.

Assist the environmental consultant in determining the extent of contaminated soil (if any), by performing a backhoe pit investigation, as directed by the environmental consultant, in the following areas:

- Site 3: Station 32+75 to 33+00 and Station 34+00 to 34+50, from 20-feet left of reference line to limits of construction left.
- Site 4: Station 30+50 to 31+25, from 20-feet left of reference line to limits of construction left.
- Site 6: Station 299+25 to 299+50, from 20-feet left of reference line to limits of construction left, and Station 12+25 to Station 12+50, from 20-feet right of reference line to limits of construction right.

Perform the backhoe pit investigation as soon as practical after structures, sidewalks, curb and gutter, and pavement are removed and prior to significant excavations (if any) beginning in those areas. The backhoe pit investigations shall include up to 3 test pits per location, to a maximum depth of 6 feet bgs. The test pit investigations shall be incidental to this pay items.

The environmental consultant will periodically evaluate soil excavated from the contaminated areas to determine if the soil will require offsite disposal. 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 managed 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 Petroleum-contaminated Material: PID readings less than 10 ppm and no observation of staining or petroleum odor for reuse as fill within the construction limits, or
- Petroleum-contaminated Soil: Significant petroleum odor, staining, and/or PID readings greater than 10 ppm for off-site treatment and disposal at the WDNR-licensed bioremediation facility, or
- Lead-contaminated Soil: Soil removed from Station 10+75 to 11+25 from reference line to the construction limits on the right for reuse as fill within the construction limits, or
- Potentially Contaminated: Contaminated material from areas other than listed above for temporary stockpiling and additional characterization prior to disposal.

If contaminated soils and/or USTs are encountered outside the limits of known contamination on the project, terminate excavation activities in the area and notify the engineer. Environmental consultant will screen the potentially-contaminated material and some material may require additional characterization prior to disposal. Provide for the temporary stockpiling of up to 100 cubic yards of potentially-contaminated soil on-site for additional characterization. Construct and maintain a temporary stockpile of the material in accordance 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 offsite disposal to the WDNR approved bioremediation facility. Verify that vehicles used to transport contaminated material are licensed for such activity in accordance to applicable state and federal regulations. 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 bioremediation and/or disposal so as not to contain free liquids.

D Measurement

The department will measure Excavation, Hauling, and Disposal of -Contaminated Soil in tons of contaminated soil accepted by the bioremediation facility as documented by weight tickets generated by the bioremediation facility. Load tickets must be delivered to the engineer within 10 business days of the date on which the soil was accepted by the bioremediation facility.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	Ton

Payment is full compensation for excavating, segregating, loading, hauling, and treatment via bioremediation of contaminated soil; tipping fees including any applicable taxes and surcharges; obtaining solid waste collection and transportation service operating licenses; assisting in the collection soil samples for field evaluation including test pits; dewatering

of soils prior to transport, if necessary; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.
205-003 (20080902)

23. QMP Base Aggregate.

A Description

A.1 General

- (1) This special provision describes contractor quality control (QC) sampling and testing for base aggregates, documenting those test results, and documenting related production and placement process changes. This special provision also describes department quality verification (QV), independent assurance (IA), and dispute resolution.
- (2) Conform to standard spec 301, standard spec 305, and standard spec 310 as modified here in this special provision. Apply this special provision to material placed under all of the Base Aggregate Dense and Base Aggregate Open Graded bid items, except do not apply this special provision to material classified as reclaimed asphaltic pavement placed under the Base Aggregate Dense bid items.
- (3) Do not apply this special provision to material placed under the Aggregate Detours, Salvaged Asphaltic Pavement Base, Breaker Run, Select Crushed, Pit Run, Subbase, or Riprap bid items.
- (4) Provide and maintain a quality control program, defined as all activities related to and documentation of the following:
 1. Production and placement control and inspection.
 2. Material sampling and testing.
- (5) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required sampling and testing procedures. The contractor may obtain the CMM from the department's web site at:

<http://roadwaystandards.dot.wi.gov/standards/cmm/index.htm>

A.2 Contractor Testing for Small Quantities

- (1) The department defines a small quantity, for each individual Base Aggregate bid item, as a plan quantity of 9000 tons or less of material as shown in the schedule of items under that bid item.
- (2) The requirements under this special provision apply equally to a small quantity for an individual bid item except as follows:
 1. The contractor need not submit a full quality control plan but shall provide an organizational chart to the engineer including names, telephone numbers, and current certifications of all persons involved in the quality control program for material under affected bid items.

Appendix C

Soil Disposal Records



Advanced Disposal

CERTIFICATE OF RECEIPT FOR BIOREMEDIATION

Advanced Disposal Services Hickory Meadows Landfill, LLC certifies that the following petroleum contaminated soil has been received and placed into our "Bio Pile" area for treatment as permitted by the Wisconsin DNR, license #4291.

Generator Name: WisDOT #9190-13-71
Generator Address: STH 32
Pulaski, WI
Waste Description: Petroleum Impacted Soil
Waste Category: 33b
Profile Number: HML14-015
Tonnage Received: 1289.39
Date of Receipt: April 10, 2014 – August 19, 2014

Kari Robideau

Landfill Representative

9/12/2014

Date

Detail Contract Activity Report

All Ticket Types

January 01, 2014 to September 12, 2014

All Facilities

Specific Contract: HML14-015

History and Waiting

* - Confirmed Qty Applied to Billing

HML14-015

Ticket Date	Facility & Ticket Number	Customer	Truck	Material	Contract Rate	Billing Quantity	Minimum Quantity
04/10/2014	I B5	455873 000664 - PETERS CONCRETE COMPANY	99DEN		33B@ C-Soil / Unleaded / UST (Ext)		22.60 tn
04/10/2014	I B5	455874 000664 - PETERS CONCRETE COMPANY	547PE		33B@ C-Soil / Unleaded / UST (Ext)		22.97 TN
04/10/2014	I B5	455875 000664 - PETERS CONCRETE COMPANY	700PI		33B@ C-Soil / Unleaded / UST (Ext)		22.16 tn
04/10/2014	I B5	455877 000664 - PETERS CONCRETE COMPANY	542P		33B@ C-Soil / Unleaded / UST (Ext)		26.78 tn
04/10/2014	I B5	455878 000664 - PETERS CONCRETE COMPANY	546PE		33B@ C-Soil / Unleaded / UST (Ext)		29.39 tn
04/10/2014	I B5	455879 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		22.61 tn
04/10/2014	I B5	455880 000664 - PETERS CONCRETE COMPANY	962S		33B@ C-Soil / Unleaded / UST (Ext)		22.30 tn
04/11/2014	I B5	455911 000664 - PETERS CONCRETE COMPANY	546PE		33B@ C-Soil / Unleaded / UST (Ext)		22.70 tn
04/11/2014	I B5	455923 000664 - PETERS CONCRETE COMPANY	547PE		33B@ C-Soil / Unleaded / UST (Ext)		24.34 tn
04/11/2014	I B5	455924 000664 - PETERS CONCRETE COMPANY	542P		33B@ C-Soil / Unleaded / UST (Ext)		26.90 tn
04/11/2014	I B5	455925 000664 - PETERS CONCRETE COMPANY	544PE		33B@ C-Soil / Unleaded / UST (Ext)		21.34 tn
04/15/2014	I B5	456287 000664 - PETERS CONCRETE COMPANY	962S		33B@ C-Soil / Unleaded / UST (Ext)		24.86 tn
04/15/2014	I B5	456290 000664 - PETERS CONCRETE COMPANY	99DEN		33B@ C-Soil / Unleaded / UST (Ext)		23.88 tn
04/15/2014	I B5	456293 000664 - PETERS CONCRETE COMPANY	15DU		33B@ C-Soil / Unleaded / UST (Ext)		23.18 tn
04/15/2014	I B5	456307 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		22.53 TN
04/15/2014	I B5	456310 000664 - PETERS CONCRETE COMPANY	17MTA		33B@ C-Soil / Unleaded / UST (Ext)		20.75 tn
04/15/2014	I B5	456311 000664 - PETERS CONCRETE COMPANY	402J		33B@ C-Soil / Unleaded / UST (Ext)		23.92 tn
04/16/2014	I B5	456555 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		19.28 TN
04/16/2014	I B5	456562 000664 - PETERS CONCRETE COMPANY	32ORL		33B@ C-Soil / Unleaded / UST (Ext)		22.23 tn
04/16/2014	I B5	456572 000664 - PETERS CONCRETE COMPANY	07DU		33B@ C-Soil / Unleaded / UST (Ext)		18.71 tn
04/16/2014	I B5	456573 000664 - PETERS CONCRETE COMPANY	66OR		33B@ C-Soil / Unleaded / UST (Ext)		19.01 tn
04/16/2014	I B5	456575 000664 - PETERS CONCRETE COMPANY	700PI		33B@ C-Soil / Unleaded / UST (Ext)		18.16 TN
04/16/2014	I B5	456576 000664 - PETERS CONCRETE COMPANY	17MTA		33B@ C-Soil / Unleaded / UST (Ext)		18.72 TN
04/16/2014	I B5	456587 000664 - PETERS CONCRETE COMPANY	962S		33B@ C-Soil / Unleaded / UST (Ext)		23.29 TN
04/16/2014	I B5	456589 000664 - PETERS CONCRETE COMPANY	15DU		33B@ C-Soil / Unleaded / UST (Ext)		20.65 TN
04/16/2014	I B5	456594 000664 - PETERS CONCRETE COMPANY	99DEN		33B@ C-Soil / Unleaded / UST (Ext)		21.94 TN
04/16/2014	I B5	456611 000664 - PETERS CONCRETE COMPANY	16AIM		33B@ C-Soil / Unleaded / UST (Ext)		21.65 tn
04/16/2014	I B5	456617 000664 - PETERS CONCRETE COMPANY	78CA		33B@ C-Soil / Unleaded / UST (Ext)		21.36 tn
04/16/2014	I B5	456647 000664 - PETERS CONCRETE COMPANY	15DU		33B@ C-Soil / Unleaded / UST (Ext)		18.77 TN
04/16/2014	I B5	456652 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		21.04 TN
04/21/2014	I B5	457299 000664 - PETERS CONCRETE COMPANY	32ORL		33B@ C-Soil / Unleaded / UST (Ext)		33.31 TN
04/22/2014	I B5	457475 000664 - PETERS CONCRETE COMPANY	962S		33B@ C-Soil / Unleaded / UST (Ext)		10.93 tn
04/24/2014	I B5	457881 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		26.47 tn
04/24/2014	I B5	457891 000664 - PETERS CONCRETE COMPANY	32ORL		33B@ C-Soil / Unleaded / UST (Ext)		21.81 TN
04/24/2014	I B5	457906 000664 - PETERS CONCRETE COMPANY	66OR		33B@ C-Soil / Unleaded / UST (Ext)		17.75 tn
04/24/2014	I B5	457950 000664 - PETERS CONCRETE COMPANY	554CE		33B@ C-Soil / Unleaded / UST (Ext)		19.10 tn
05/13/2014	I B5	460625 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		21.19 tn
05/13/2014	I B5	460648 000664 - PETERS CONCRETE COMPANY	32ORL		33B@ C-Soil / Unleaded / UST (Ext)		22.58 TN
05/13/2014	I B5	460649 000664 - PETERS CONCRETE COMPANY	GEN_PUBLIC		33B@ C-Soil / Unleaded / UST (Ext)		20.55 tn
05/13/2014	I B5	460650 000664 - PETERS CONCRETE COMPANY	92JJ		33B@ C-Soil / Unleaded / UST (Ext)		24.32 tn
05/14/2014	I B5	460668 000664 - PETERS CONCRETE COMPANY	24ORL		33B@ C-Soil / Unleaded / UST (Ext)		25.52 tn
05/14/2014	I B5	460679 000664 - PETERS CONCRETE COMPANY	66OR		33B@ C-Soil / Unleaded / UST (Ext)		20.80 tn
05/14/2014	I B5	460680 000664 - PETERS CONCRETE COMPANY	99DEN		33B@ C-Soil / Unleaded / UST (Ext)		21.77 tn
05/14/2014	I B5	460683 000664 - PETERS CONCRETE COMPANY	17BO		33B@ C-Soil / Unleaded / UST (Ext)		21.87 tn
05/14/2014	I B5	460687 000664 - PETERS CONCRETE COMPANY	22TMA		33B@ C-Soil / Unleaded / UST (Ext)		22.60 tn
05/14/2014	I B5	460698 000664 - PETERS CONCRETE COMPANY	402J		33B@ C-Soil / Unleaded / UST (Ext)		22.43 tn
05/14/2014	I B5	460701 000664 - PETERS CONCRETE COMPANY	01JLA		33B@ C-Soil / Unleaded / UST (Ext)		18.81 tn
05/14/2014	I B5	460702 000664 - PETERS CONCRETE COMPANY	17MTA		33B@ C-Soil / Unleaded / UST (Ext)		20.90 tn
05/14/2014	I B5	460703 000664 - PETERS CONCRETE COMPANY	92JJ		33B@ C-Soil / Unleaded / UST (Ext)		20.62 tn
05/14/2014	I B5	460707 000664 - PETERS CONCRETE COMPANY	77CA		33B@ C-Soil / Unleaded / UST (Ext)		20.64 tn
05/14/2014	I B5	460739 000664 - PETERS CONCRETE COMPANY	542P		33B@ C-Soil / Unleaded / UST (Ext)		24.46 TN
05/14/2014	I B5	460749 000664 - PETERS CONCRETE COMPANY	66OR		33B@ C-Soil / Unleaded / UST (Ext)		20.37 TN
05/14/2014	I B5	460751 000664 - PETERS CONCRETE COMPANY	99DEN		33B@ C-Soil / Unleaded / UST (Ext)		24.32 TN
05/14/2014	I B5	460752 000664 - PETERS CONCRETE COMPANY	24ORL		33B@ C-Soil / Unleaded / UST (Ext)		23.27 TN
05/14/2014	I B5	460759 000664 - PETERS CONCRETE COMPANY	17BO		33B@ C-Soil / Unleaded / UST (Ext)		19.40 TN
08/06/2014	I B5	472608 000664 - PETERS CONCRETE COMPANY	542P		33B@ C-Soil / Unleaded / UST (Ext)		25.07 tn
08/06/2014	I B5	472611 000664 - PETERS CONCRETE COMPANY	547PE		33B@ C-Soil / Unleaded / UST (Ext)		20.32 tn
08/18/2014	I B5	474365 000664 - PETERS CONCRETE COMPANY	24ORL		33B@ C-Soil / Unleaded / UST (Ext)		14.35 tn
08/19/2014	I B5	474530 000664 - PETERS CONCRETE COMPANY	32ORL		33B@ C-Soil / Unleaded / UST (Ext)		15.84 TN

1,289.39 Tons



Special Waste Profile Sheet Contaminated Soil

Profile # 11ML14-015

Designated Facility: Advanced Disposal Services Hickory Meadows Landfill, LLC

Pecfa Bio Pile

Sales Representative: Kari A. Rabideau

Non-Pecfa Landfill

A. Generator

Name WisDOT (WisDOT # 9190-13-71)
Site Address STH 32
City, State, Zip Pulaski, Brown/Shawano/Oconto Counties, WI
Contact Sharlene TeBeest
Phone (608) 266-1476
Fax _____
E-mail Sharlene.TeBeest@dot.wi.gov

B. Billing

Name Peters Concrete, Inc.
Address 1516 Atkinson Drive
City, State Green Bay, WI Zip 54303
Contact James Peters
Phone (920) 494-3700
Fax (920) 494-5475

C. Description of Waste

Soil Contaminated With: Unleaded Gasoline Leaded Gasoline Diesel Fuel Oil Waste Oil Other
Source of Contamination: LUST AST Spill Other _____
Quantity of Soil 1,500 Tons Frequency total _____ Free Liquids none

D. Other Waste Data or Comments

E. Sample/Analysis Information

Check all that apply:
 Sample submitted with profile Laboratory Analysis submitted Material Safety Data Sheet submitted

Laboratory Name Pace Analytical Sample Date 2/25/2013 Sample I.D. GP3-1/6-1

F. Generator Certification

1. This waste is not a hazardous waste as defined in Wisconsin Administrative Code NR 661 or 40 CFR 261.
2. This waste does not contain regulated quantities of PCB's.
3. This waste does not contain regulated quantities of herbicides or pesticides.
4. This waste does not contain infectious wastes as defined in Wisconsin Administrative Code NR 526.
5. To the best of my knowledge, all the information in this and all attached documents contain true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix 1 and was obtained by using this or an equivalent sampling method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

Generator's Signature *Sharlene TeBeest*

Title Sharlene B. Te Beest
Hazardous Materials Specialist

Print Name _____

Date 1/31/14

G. Landfill Approval

My approval is based upon the laboratory analysis of a representative sample and/or material safety data sheet submitted by the generator.

Landfill Signature _____ Date _____

Approvals Signature _____ Date _____





Waste Category _____ Analytical Protocol _____ Disposal Operation _____ Recert. Date _____

VOC Concentration _____

Appendix D Photo Log



Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)		STH 32 Pulaski, WI	TRC: 213159.0000.0000 WisDOT: 9190-13-71
Photo No.	Date		
1	04/08/2014		
Description			
Lateral excavation for connection to MH30, Pulaski Street: STA. 14+55 (Site 5).			
Photo No.	Date		
2	04/08/2014		
Description			
Main storm sewer and lateral connection to MH 30 - Pulaski Street: STA. 14+55 (Site 5).			



Photographic Log




Client Name: Wisconsin Department of Transportation (WisDOT)		Site Location: STH 32 Pulaski, WI	Project No.: TRC: 213159.0000.0000 WisDOT: 9190-13-71
Photo No. 3	Date 05/02/2014		
Description Grade excavation at intersection of Wisconsin Street and Pulaski Street.			

Photo No. 4	Date 04/10/2014		
Description Main storm sewer installation in Pulaski Street (Sites 3&4).			



Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)		STH 32 Pulaski, WI	TRC: 213159.0000.0000 WisDOT: 9190-13-71
Photo No.	Date		
5	04/16/2014		
Description			
Excavation for manhole near intersection of Wisconsin St. and Pulaski St.			
Photo No.	Date		
6	04/16/2014		
Description			
Inlet basins 60A & 60D installation at intersection of Wisconsin & Pulaski St. (Site 5).			



Photographic Log

Client Name:		Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)		STH 32 Pulaski, WI	TRC: 213159.0000.0000 WisDOT: 9190-13-71
Photo No.	Date		
7	05/13/2014		
Description			
Excavation below subgrade (EBS) on Pulaski Street (Sites 2&3).			
Photo No.	Date		
8	05/13/2014		
Description			
Excavation below subgrade (EBS) on Pulaski Street (Sites 2&3).			



Photographic Log




Client Name: Wisconsin Department of Transportation (WisDOT)		Site Location: STH 32 Pulaski, WI	Project No.: TRC: 213159.0000.0000 WisDOT: 9190-13-71
Photo No. 9	Date 05/13/2014		
Description EBS mat and base rock on Pulaski Street (Sites 2&3).			

Photo No. 10	Date 08/06/2014		
Description Storm sewer installation on Wisconsin Street (Sites 5&6).			



Photographic Log

Client Name: Wisconsin Department of Transportation (WisDOT)		Site Location: STH 32 Pulaski, WI	Project No.: TRC: 213159.0000.0000 WisDOT: 9190-13-71
Photo No. 11	Date 08/18/2014		
Description Excavation for inlet basin 60 B with contaminated soil.			
Photo No. 12	Date 08/18/2014		
Description Excavation for inlet basin 60 B. Close-up view of contaminated soil.			