I have processed the sites for the completed STH 32 Pulaski road construction project. The Phase 2/2.5 and Contaminated Soil Management Documentation reports will be uploaded electronically in BRRTS with the closed case, Brad's Service – Union 76 Station, BRRTS # 03-05-000819. For your files, the following lists the DNR actions for each of the sites investigated as part of the construction project:

Site	Address	Existing BRRTS Case	BRRTS Case Assigned	Comment
Site 1: Heartland Fabrication & Machine, Inc.	207 N St Augustine St	--	Heartland Fabrication & Machine, Inc – WI DOT 09-05-NAR //2014	No detects in soil samples, so assigned a NAR
Site 2: Brad's Service	108 S St Augustine St	Brad's Service – Union 76 Station 03-05-000819 Closed 03/22/2001	--	Petroleum impacts in soil associated with residual contamination for closed case.
Site 3: Boutique Village	118 E Pulaski St	--	Boutique Village-ROW – WI DOT 09-05-560268 NAR 03/26/2013	Contamination in soil associated with residual contamination from Site 2 closed case???
Site 4: Citizens Bank Parking Lot	152 E Pulaski St	--	Citizens Bank Parking Lot – WI DOT 09-05-NAR //2014	No detects in soil samples, so assigned a NAR
Site 5: Pulaski Shell Station	113 S Wisconsin St	Westerfield Mobil Station 03-05-096591 Closed 02/24/2003	--	Petroleum impacts in soil associated with residual contamination for closed case.
Site 6: Trails End Food and Spirits	104 S Wisconsin St	--	Trails End Food & Spirits-ROW – WI DOT 09-05-560267 NAR 03/26/2013	Contamination in soil associated with residual contamination from Site 5 closed case.

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March 27, 2013

Ms. Vickie Taddy
Wisconsin Department of Natural Resources
2984 Shawno Avenue
Green Bay, WI 54313

Subject: Phase 2/2.5 Soil Investigation and Special Provisions
STH 32, Pulaski, WI
WisDOT Project ID #9190-13-00

Dear Ms. Taddy:

Enclosed is the Phase 2/2.5 Site Investigation Report and Special Provisions for the STH 32 project in Pulaski, Wisconsin. Together these documents constitute the Excavation Management Plant (EMP) for the project.

We are requesting WDNR's concurrence with the Special Provisions by May 10, 2013, prior to the PS&E.

Please feel free to contact Alyssa Sellwood at 608-826-3658 or Dan Haak at 608-826-3628, if you have any question or would like to discuss in further detail.

Sincerely,

TRC Environmental Corporation

Alyssa Sellwood, P.E.
Project Engineer

Dan Haak, P.E.
Project Manager

Enclosure

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

Phase 2/2.5 Investigation Report

STH 32
Pulaski, Wisconsin

WisDOT Project #9190-13-00

March 2013

Phase 2/2.5 Investigation Report

STH 32
Pulaski, Wisconsin

WisDOT Project #9190-13-00

March 2013

Wesley Braga
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Daniel Haak, P.E.
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James E. Morse
Senior Client Service Manager

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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
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
WDSPS	Wisconsin Department of Safety and Professional Services
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) is planning to reconstruct STH 32 from Green Bay Street to Chase Road in Pulaski, Wisconsin (WisDOT Project ID #9190-13-71). Soil is planned to be excavated to a maximum depth of eight feet below ground surface (bgs) for the reconstruction of the roadway and storm sewer. Groundwater is deeper than the maximum excavation depth, and is not anticipated to be encountered during construction. Real estate acquisitions are planned for the project, and include strip temporary easements and fee title strip acquisitions for properties along the construction corridor. The let date for the project is December 10, 2013.

On February 25, 2013, TRC completed a Phase 2/2.5 Investigation to identify and evaluate nature and extent of potential soil contamination within the limits of construction. The investigation was completed adjacent to six sites with potential impacts identified in the 2007 Phase 1 Hazardous Materials Assessment (HMA) prepared by STS Consultants, Ltd. (STS). The results of the investigation include:

- Petroleum-contaminated soil is present within the limits of construction 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 11+50 to 15+00, from reference line to the construction limits on the left.
  - Site 6: Station 11+50 to 12+75, from reference line to the construction limits on the right.
- Low-level lead impacted soil was detected at one location during the investigation:
  - Site 6: Station 10+75 to 11+25 from reference line to the construction limits on the right.
- No USTs were encountered during the investigation; however, historical data and metal detector survey 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.

Petroleum impacts are within the extent of the fee title strip acquisitions for Sites 2, 5 and 6 and temporary easement near Site 3 and USTs may be present at Site 4. The WisDOT should consider the environmental liability prior to property acquisition for these sites.

TRC recommends that petroleum-impacted soil excavated at the locations listed above be field-screened by an environmental consultant during excavations for the reconstruction of STH 32, and soil with significant petroleum-impacts be treated and disposed at a WDNR-licensed bioremediation facility. TRC estimates that approximately 1,500 tons of petroleum-contaminated soil will require off-site treatment and disposal, at a unit cost of approximately $60 per ton. TRC recommends that soil with low-level petroleum and low-level lead impacts be reused as backfill within the limits of construction of the project under paved areas.

Section 1
Background

1.1 Proposed Roadway and Utility Construction

The Wisconsin Department of Transportation (WisDOT) is planning to reconstruct STH 32 from Green Bay Street to Chase Road in Pulaski, Wisconsin (WisDOT Project ID #9190-13-71). A site location map and project overview map are presented in Figures 1 and 2, respectively.

The preliminary construction drawings are included in Appendix A. The proposed reconstruction includes replacement of curb and gutter, sidewalk, and pavement, as well as the installation of new storm sewer along STH 32. Soil is planned to be excavated to depths ranging from five to eight feet below ground surface (bgs) for the construction of the storm sewer. Groundwater is reported at depths ranging from 10 to 12 feet below grade, and is not expected to be encountered during construction. The let date for the project is December 10, 2013.

Real estate acquisitions planned for the project include strip temporary easements and fee title strip acquisitions. A summary of the acquisition requirements for the project are included in Appendix B.

1.2 Previous Site Investigations

STS Consultants, Ltd completed a Phase I Hazardous Materials Assessment (HMA) for the project corridor in July 2007. TRC reviewed the Phase 1 HMA and the current WisDOT plans, and determined that six sites required additional assessment through a Phase 2/2.5 investigation for potential petroleum- impacts to soil. The sites are summarized in Table 1, and the locations are shown on Figures 2 and 3. The sites include the following:

- Site 1: 207 N St. Augustine Street (Heartland Fabrication & Machine, Inc.)
- Site 2: 108 S. St. Augustine Street (Brad's Service)
- Site 3: 118 E. Pulaski Street (Boutique Village)
- Site 4: 152 E. Pulaski Street (Citizens Bank parking lot)
- Site 5: 113 S. Wisconsin Street (Pulaski Shell Station)
- Site 6: 104 S. Wisconsin Street (Trails End Food and Spirits)

1.2.1 Sites 1, 3, 4, and 6 – Potential USTs

Sites 1, 3, 4, and 6 were reported in the Phase 1 HMA to historically have had one to three USTs. The USTs reported for Sites 3 and 4 may have been in or near the right of way, based on information provided in historical Sanborn maps. The relevant Sanborn maps for Sites 3 and 4 are included in Appendix C. The USTs reported for Sites 1 and 6 were based on information provided in interviews regarding historical site activities, and the location of the potential USTs on these sites was unknown.

1.2.2 Site 2 – Closed BRRTS Site 03-05-000819

Site 2 is a closed LUST WDNR BRRTS site (BRRTS #03 05 000819, Brad's Service). The site contains residual petroleum impacts to soil and groundwater, and the residual impacts were reported to extend into the right of way. Previous site investigation data for Site 2 is included in Appendix C.

1.2.3 Site 5 – Closed BRRTS Site 03-05-096591

Site 5 currently operates as a gas station and is a closed LUST WDNR BRRTS site (BRRTS #03 05 096591). The site contains residual petroleum impacts to soil and groundwater, and the residual impacts were reported to extend into the right of way. Previous site investigation data for Site 5 is included in Appendix C.

Section 2
Phase 2/2.5 Investigation

2.1 Investigation

The WisDOT retained TRC to perform a Phase 2/2.5 Investigation of the STH 32 corridor to identify and determine the nature and extent of soil contamination within the construction limits adjacent to the six sites listed in Section 1. Representatives from TRC and TRC's Geoprobe® subcontractor, Probe Technologies Inc. (Probe), were in Pulaski on February 25, 2013, to complete 16 soil borings. Photographs are included in Appendix D and boring locations are shown in Figures 3-1, 3-2 and 3-3.

The boring locations were selected based on TRC's review of previous environmental investigations, the current construction plans, and field observations. The borings were completed to a depth of 8-feet, which is the maximum depth anticipated for reconstruction of the storm sewer adjacent to the six sites. Groundwater is not expected to be encountered during construction and therefore groundwater sampling was not included in this investigation.

Probe abandoned each boring following sampling, and the abandonment forms are included in Appendix E. Soil cuttings generated during this investigation were containerized and disposed of under the WisDOT's hazardous waste disposal contract with Veolia Environmental Services (Appendix F).

2.2 Soil Screening and Sampling

During the Phase 2/2.5 Investigation, TRC logged the soil collected from each boring. The boring logs are included in Appendix E. Native soil in the area of the investigation is predominately light brown to brownish red dense clay, with some fine- to coarse-grained sand and gravel layering. Moist soil was encountered near the base of each boring, but saturated soil and groundwater were not observed.

TRC field-screened the soil for staining and odors, and for volatile organic compounds (VOCs) using a photoionization detector (PID). The PID readings are summarized in Table 2 and are included on the boring logs in Appendix E. Petroleum odor and elevated PID responses were detected in soil collected from nine of the 16 borings, at Site 2, 3, 5 and 6. No impacts were observed at Sites 1 and 4.

One soil sample was collected from each boring, and a second sample was collected from borings GP3-1, GP5-2, and GP6-1 for laboratory analysis. Soil samples were collected from the

depth interval(s) with the highest impacts based on field-screening results. If no impacts were observed in the field, then a soil sample was collected from an intermediate depth interval of the native material.

2.3 Soil Analytical Results

Soil samples were submitted to Pace Analytical, Inc. (Pace) for laboratory analysis for DRO, GRO, PVOCs, and lead. The laboratory report is included in Appendix G, and the results are summarized in Table 2. Table 2 compares the results to the generic NR 720 Residual Contaminant Levels (RCLs) and EPA Regional Screening Levels (RSLs).

The results from the soil sampling indicate that petroleum-contaminated soil is present within the limits of construction. Soil with petroleum-impacts over the WDNR NR 720 RCLs and/or EPA RSLs was encountered at Sites 2, 3, 5, and 6, which is consistent with the field screening results. In general the soil impacts are primarily gasoline related with concentrations that exceed the RCLs for GRO and PVOCs. The samples from Site 3 also contained DRO concentrations that were slightly above the RCL.

The extents of the petroleum-impacts to soil within the limits of construction are summarized in Table 1 and are shown on Figures 3-1, 3-2 and 3-3. The lateral extent of the impacts were defined based on the results of the Phase 2/2.5 sampling and results from previous site investigations. The vertical extent was not defined and is assumed to extend beyond the maximum depth of 8 feet in each boring (i.e. deeper than the maximum depth of the proposed construction). The extent of the petroleum-impacts is described as follows:

- 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 11+50 to 15+00, from reference line to the construction limits on the left.
- Site 6: Station 11+50 to 12+75, from reference line to the construction limits on the right.

Lead was detected above the residential direct contact RCL in the sample from boring GP6-3. Because the detected concentration of lead from this sample is below the industrial direct contact RCL and the EPA's RSLs because no evidence of source of lead impacts, and because no petroleum-impacts were detected at this location, the material in this area will be considered low-level impact for lead and will be allowed to be reused on-site from within the excavation from which it was removed.

2.4 UST - Metal Detector Survey

During the Phase 2/2.5 investigation, TRC completed a metal detector survey within the right of way for those sites with potential to contain historical USTs (Sites 1, 3, 4, and 6) based on the Phase 1 HMA. The purpose of the survey was to evaluate these sites for presence of metal below grade that may be associated with USTs. The results of the metal detector survey are included on Figures 3-1, 3-2 and 3-3.

The survey detected metal at several locations within the right of way near Site 3, 4 and 6.

- 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.

These results suggest that USTs may be present at these locations. However, the positive response in the survey may also be a result of other surface or subsurface metal features and not related to USTs. The metal detector had no response within the limits of the survey for Site 1 (except for a manhole cover), suggesting that no USTs are present within the limits of construction at this location. No USTs were directly observed during the subsurface Geoprobe investigation.

2.5 Notice of Release

The impacts observed at Sites 2 and 5 are associated with closed BRRTS sites and responsible parties are listed for these impacts. Because the impacts observed at Sites 3 and 6 were potentially a result of historical USTs and not previously reported, a Notification of Hazardous Substances Discharge Form (WDNR Form 4400-225) was completed for each site and submitted to the WDNR. Copies of the submitted forms are included in Appendix H. A few general observations are summarized below:

- Site 3: Site 3 is downgradient and in proximity to Site 2 (BRRTS 03-05-000819). However, the soil sample collected from the boring located between Site 2 and 3 (GP3-2) did not contain petroleum impacts. In addition, DRO and benzene were detected at Site 3, and these compounds were not detected at Site 2. These observations may indicate that the impacts observed at Site 3 are not associated with Site 2.
- Site 6: Petroleum impacts were only detected in GP6-1, which is downgradient and directly adjacent to the petroleum-impacted soil observed at Site 5 (BRRTS 03-05-096591. This may indicate that the impacts observed at Site 6 are associated with Site 5.

Section 3
Conclusions and Recommendations

3.1 Real Estate Acquisitions

Real estate acquisitions are planned for the project and includes strip temporary easements and fee title strip acquisitions. The acquisition requirements proposed for the six sites evaluated in the Phase 2/2.5 investigation are summarized in Table 1.

Petroleum-impacts were detected at four of the six sites. The sites and the petroleum compounds with concentrations over NR 720 RCLs and/or EPA RSLs are listed below:

- Site 2: GRO, ethylbenzene, xylene and trimethylbenzene
- Site 3: GRO, DRO, benzene, ethylbenzene, xylene , trimethylbenzene, and MTBE
- Site 5: GRO, ethylbenzene, xylene , trimethylbenzene, and MTBE
- Site 6. GRO, benzene, ethylbenzene, toluene, xylene , trimethylbenzene, and MTBE

The impacts detected during the Phase 2/2.5 investigation were present within the extent of the fee title strip acquisitions for Sites 2, 5 and 6, and within the temporary easement near Site 3. No impacts were observed at Sites 1 and 4; however, the potential for USTs to be present near Site 4 (see Section 3.3) remains an open issue. The WisDOT should consider the environmental liability prior to property acquisition at the above listed sites, and consider that the WDNR may require additional investigation and/or remediation.

3.2 Petroleum Contaminated Soil Management

Petroleum-contaminated soil is present within the limits of construction 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 11+50 to 15+00, from reference line to the construction limits on the left.
- Site 6: Station 11+50 to 12+75,, from reference line to the construction limits on the right.

TRC recommends that soil excavated at the locations listed above be field-screened by an environmental consultant during excavations for the reconstruction of STH 32, and

- Soil with significant petroleum-impacts be treated and disposed at a WDNR-licensed bioremediation facility. Soil will be considered to have significant petroleum contamination if it exhibits significant petroleum odor, staining, and/or elevated PID readings (for example, PID readings greater than 10 ppm).
- Soil exhibiting low-level petroleum contamination based on field screening (for example, PID readings less than 10 ppm) will be considered suitable for reuse as backfill in the excavation from which it came. Excess low-level petroleum contaminated soil that cannot be reused as backfill in these areas will also be treated and disposed at a WDNR-licensed bioremediation facility.

TRC estimates that approximately 1,500 tons of petroleum-contaminated soil will require off-site treatment and disposal, at a unit cost of approximately $60 per ton. Based on historic land uses along the STH 32 construction corridor, additional contaminated soil may be encountered during construction at locations other than those listed.

3.3 Low-level Lead Impacted Soil Management

Low-level lead impacted soil was detected at one location during the investigation:

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

TRC recommends that the low-level lead impacts soil removed from this location be reused as backfill within the limits of construction of the project under paved areas.

3.4 USTs

No USTs were encountered during the investigation; however, the information in the Phase 1 HMA and metal detector survey indicate a potential for USTs to exist within the limits of construction 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 may want to complete additional subsurface investigations (e.g. GPR survey) at these locations prior to construction to determine if USTs are present, and /or test pit investigations during highway construction. Based on historic land uses along the STH 32 construction corridor, additional USTs may be encountered during construction at locations other than those listed above.

3.5 Request for WDNR Reviews

TRC has prepared draft Special Provisions for the management contaminated soil during construction (Appendix I). TRC recommends that the WDNR review this report and the attached Special Provisions as the EMP. If acceptable, the WDNR should provide record of their concurrence with the EMP.

The WDNR should complete their review of this report and the Notifications of Hazardous Substances Discharge forms that were submitted Sites 3 and 6 and provide a determination regarding the responsible parties for the petroleum impacts detected at these two sites.

Table 1
Site Results Summary
STH 32 Phase 2/2.5 Investigation - Pulaski, Wisconsin
WisDOT #: 9190-13-00

PH 1 ESA SITE ID	WisDOT PARCEL ID	SITE NAME	SITE ADDRESS	PHASE 1 POTENTIAL ISSUES	ACQUISITION REQUIREMENTS	MAX EXCAVATION REQUIREMENTS	PHASE 2 RESULTS SUMMARY
1	54	Heartland Fabrication & Machine, Inc.	207 N St. Augustine St.	Historic Auto Shop UST (interview)	TLE	5 ft storm sewer	No Impacts Detected
2	42	Brad's Service	108 S St Augustine St.	Closed BRRTS #03-05-000819 11 Removed USTs Residual Impacts near ROW	13 SF	5 ft storm sewer	**Petroleum-Impact**s: Station 498+75 to 500+00 and 35+25 to 36+00
3	39	Boutique Village	118 E Pulaski St.	3 USTs (Sanborn)	TLE	5 ft storm sewer	**Petroleum-Impacts:** Station 32+75 to 34+25 **Potential USTs:** Station 32+75 to 33+00 and 34+00 to 34+50
4	38	Citizens Bank Parking Lot	152 E Pulaski St.	2 USTs (Sanborn)	TLE	5 ft storm sewer	No Impacts Detected **Potential USTs:** Station 30+50 to 31+25
5	7	Pulaski Shell Station	113 S Wisconsin St.	Closed BRRTS # 03-05-096591 5 Removed USTs Residual Impacts near ROW	218 SF	5 ft storm sewer	**Petroleum Impact**s: Station 11+50 to 14+25
6	21	Trails End Food and Spirits	104 S Wisconsin St.	UST (interview and EDR)	8.5 SF	5 ft storm sewer	**Petroleum Impacts**: Station 11+50 to Station 12+75 **Lead Impacts**: Station 10+75 to 11+25 **Potential USTs** : Station 299+25 to 299+50 and 12+25 to 12+50

Table 2
Summary of Soil Analytical Results
STH 32 Phase 2/2.5 Investigation - Pulaski, Wisconsin
WisDOT # 9190-13-00
February 25, 2013

SAMPLE ID	SAMPLE DEPTH (FT BGS)	PID ppm	GRO mg/kg	DRO (L2) mg/kg	PVOCs BENZENE ug/kg	ETHYLBENZENE ug/kg	TOLUENE ug/kg	XYLENE ug/kg	MTBE ug/kg	1,2,4-TMB ug/kg	1,3,5-TMB ug/kg	LEAD mg/kg
GP1-1	**2.5-5'**	0.3	<3.1	<1.2	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	7.3
GP1-2	**2.5-5'**	0	<2.7	<0.80	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	3.5
GP2-1	**7-8'**	**124**	5.6	23.5 T4	<25.0	56 J	<25.0	206	<25.0	1,370	377	7.1
GP2-2	**5-6.5'**	**330**	**628**	59.8 T4	<200	**5,610**	306 J	**15,400**	<200	**35,500**	**14,300**	6.1
GP3-1[4]	**3.5-5'**	**152**	36.5	<1.1	**88.5**	284	51.5 J	882	<25.0	780	440	8.3
	5-6'	**530**	**1,100**	**118** T4	**1,220**	**8,780**	584 J	**35,000**	**307** J	**20,300**	**9,800**	7.8
GP3-2	**3-5'**	0.2	<3.0	43.1 T4	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	25.7
GP3-3	**2.5-5'**	**180**	1.9	**107** T4	<25.0	696	<25.0	1,814	<25.0	**1,810**	815	11.4
GP4-1	**5-7.5'**	4.8	<2.7	6.8 T4	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	3.7
GP4-2	**5-7.5'**	0	<2.7	1.1 J	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	3.9
GP5-1[5]	**5.5-7.5'**	**259**	20.0	35.9 T4	<25.0	259	<25.0	396	<25.0	**1,640**	165	16.6
GP5-2	**5-6'**	**375**	**109**	12.8 T4	<50.0	852	65.7 J	933	<50.0	1,070	**1,710**	3.6
	6-8'	**>400**	**180**	7.0 T4	<50.0	**5,700**	183	**19,630**	103 J	**12,700**	**4,230**	3.1
GP5-3[6]	**6.5-8'**	**900**	**678**	66.3 T4	<100	**15,800**	403	**42,970**	**323**	**47,000**	**16,000**	4.1
GP5-4	**5-6.5'**	0	<2.8	<1.2	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	3.4
GP6-1	**4-5'**	**682**	**1,710**	92.9 T4	**565 J**	**7,190**	779	**14,360**	**481** J	**12,300**	**7,970**	7.2
	6.5-8'	**884**	**510**	19.1 T4	**126 J**	**6,610**	**1,900**	**20,250**	196	**10,400**	**5,110**	3.8
GP6-2	**4.5-6.5'**	0	<2.8	8.8 T4	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	5.8
GP6-3	**4-5'**	0	<3.5	2.4 J	<25.0	<25.0	<25.0	<75.0	<25.0	<25.0	<25.0	**84**
NR 720 GENERIC RCLs[1]		--	100	100	5.5	2,900	1,500	4,100	--	--	--	50/500[2]
EPA RSLs FOR SOIL[3]												
DIRECT CONTACT NON-INDUST		--	--	--	1,490	7,470	818,000	258,000	59,400	89,800	182,000	400
DIRECT CONTACT INDUST		--	--	--	7,410	37,000	818,000	258,000	293,000	219,000	182,000	800
GW PATH		--	--	--	5.1	1,570	1,107	3,940	270	1,378	1,378	27,000

Notes:

Created By: WJB 3/11/2013
Checked By: AAS 3/11/13

J = Estimated value. Analyte detected at a level less than the reporting limit and greater than or equal to the detection limit.
L2 = Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
T4 = Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
RCLs = Residual Contaminant Levels.
RSLs = Regional Screening Levels
TMB = Trimethylbenzene
MTBE = Methyl-tert-butyl ether

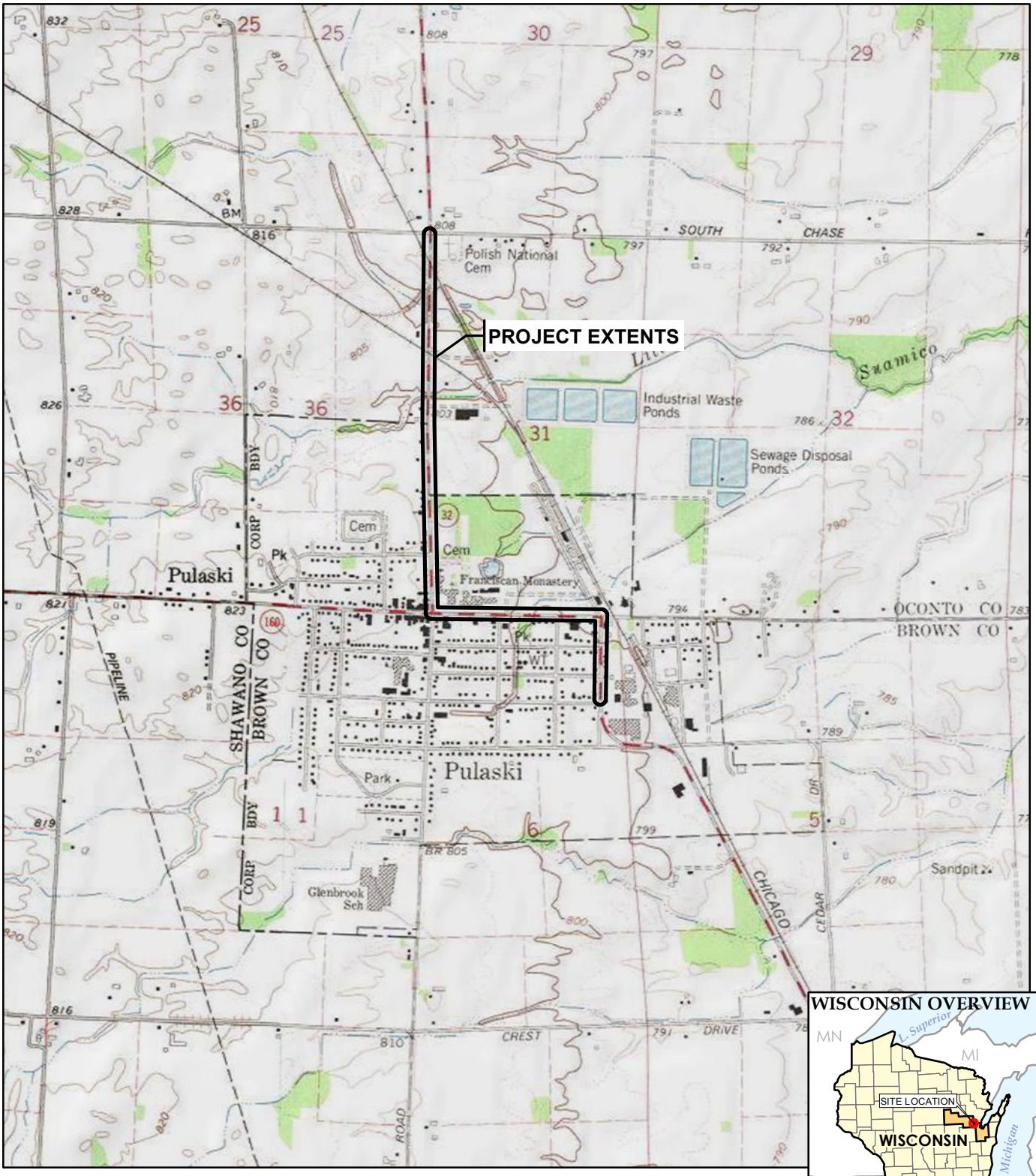
Bold	= PID greater than 10 ppm
Bold	= indicates that the sample exceeds the NR 720 RCL groundwater pathway or non-industrial direct contact pathway
Bold	= indicates that the sample exceeds the EPA RSL for GW Pathway

Footnotes:

(1) Generic RCL defined by Wisconsin Administrative Code NR 720. Values are the generic RCLs for the groundwater pathway, except where noted.
(2) Values are the generic RCL for exposure by direct contact for non-industrial and industrial, respectively.
(3) Calculated from http://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search using the default assumption listed in Draft Publication WDNR RR-890 (Dec. 2011)
(4) The sample weight in the container did not meet method specifications. Sample was sub-sampled to meet methodcriteria.
(5) VOA vial arrived at lab with reversed septa preventing air tight seal
(6) VOA Vial was broken on arrival at lab, sample for VOC's were taken from dry weight container. Results may be biased low.

Saved By: JPAPEZ on 3/26/2013, 09:38:44 AM

TRC - GIS



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.

N

1 " = 2,000 '
1:24,000

0 2,000 4,000
FEET

TRC

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

STATE HIGHWAY 32
WISDOT ID #9190-13-00
PULASKI, WISCONSIN

SITE LOCATION MAP

DRAWN BY:	PAPEZ J
APPROVED BY:	HAAK D
PROJECT NO:	201040
FILE NO.	201040-002slm.mxd
DATE:	MARCH 2013

FIGURE 1

E:\WI_DOT\2013_201040\201040-002slm.mxd

0 500 1,000 FEET

APPROXIMATE SCALE

TRC - GIS

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

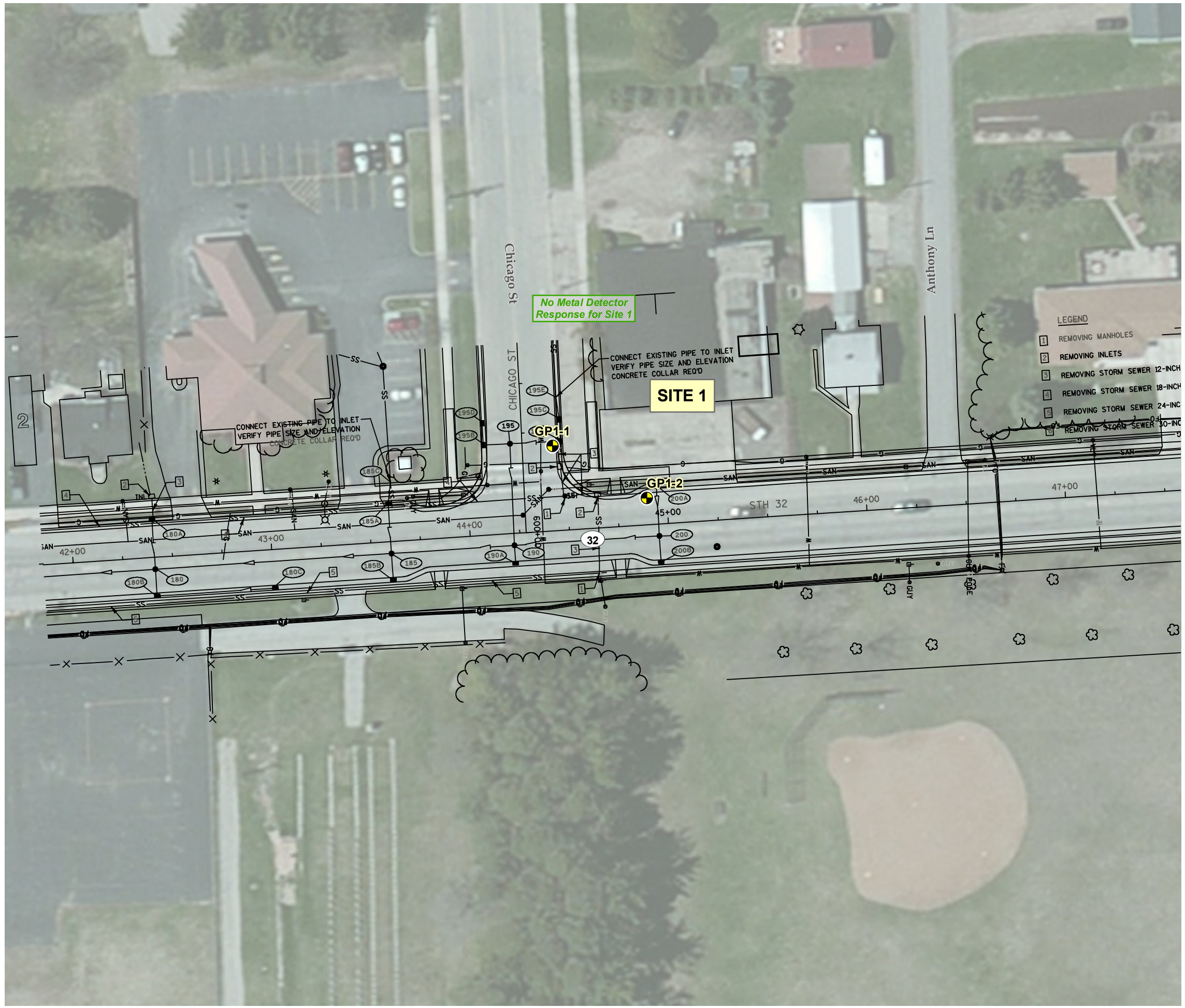
STATE HIGHWAY 32
WISDOT ID #9190-13-00
PULASKI, WISCONSIN

SITE OVERVIEW MAP

DRAWN BY:	PAPEZ J
APPROVED BY:	HAAK D
PROJ. NO.:	201040
FILE NO.:	201040-003.mxd
DATE:	MARCH 2013

E:\WI_DOT\2013_201040\201040-003.mxd
Saved By: JPAPEZ on 3/26/2013, 09:37:25 AM

FIGURE 2



LEGEND

- BORING LOCATION
- APPROXIMATE METAL DETECTOR RESPONSE AREA (NOTE 3)

NOTES

1. BASE MAP IMAGERY FROM ESRI "WORLD IMAGERY" BASEMAP WEB SERVICE LAYER.
2. DESIGN LINEWORK PROVIDED BY WisDOT, LOCATIONS ARE APPROXIMATE.
3. METAL DETECTOR SURVEY COMPLETED TO LOOK FOR POTENTIAL USTs. RESPONSE NOTED MAY REFLECT UTILITY OR OTHER SUBSURFACE OR SURFACE FEATURES OTHER THAN USTs.

N

0 50 100 Feet

1 " = 50 '
1:600

PROJECT:	**STATE HIGHWAY 32** **WISDOT ID #9190-13-00** **PULASKI, WISCONSIN**
SHEET TITLE:	**PHASE 2.5 INVESTIGATION**

DRAWN BY:	PAPEZ J	SCALE:	1: 600	PROJ. NO.	201040
CHECKED BY:	SELLWOOD A			FILE NO.	201040-001mb.mxd
APPROVED BY:	HAAK D	DATE PRINTED:		**FIGURE 3-1**	
DATE:	MARCH 2013				

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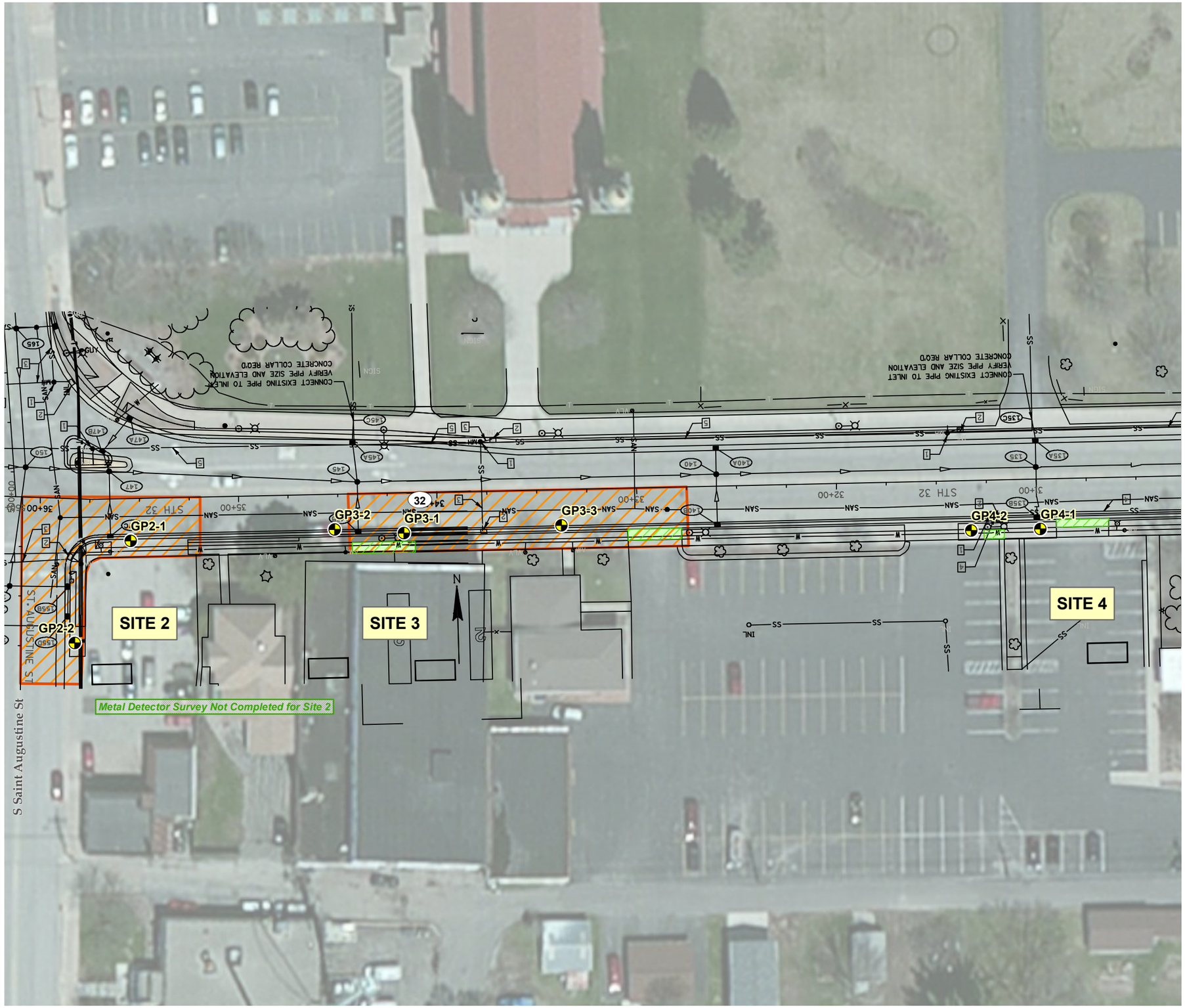
708 Heartland Trail, Suite 3000
Madison, WI 53717
Phone: 608.826.3600
www.trcsolutions.com

Saved By: JPAPEZ on 3/26/2013, 09:45:11 AM
Path: E:\WI_DOT\2013_201040\201040-001mb.mxd
Coordinate System: NAD 1983 StatePlane Wisconsin Central FIPS 4802 Feet (Foot US)
Map Rotation: 270Degrees
TRC - GIS



LEGEND

- BORING LOCATION
- APPROXIMATE METAL DETECTOR RESPONSE AREA (NOTE 3)
- APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA

NOTES

1. BASE MAP IMAGERY FROM ESRI "WORLD IMAGERY" BASEMAP WEB SERVICE LAYER.
2. DESIGN LINEWORK PROVIDED BY WisDOT, LOCATIONS ARE APPROXIMATE.
3. METAL DETECTOR SURVEY COMPLETED TO LOOK FOR POTENTIAL USTs. RESPONSE NOTED MAY REFLECT UTILITY OR OTHER SUBSURFACE OR SURFACE FEATURES OTHER THAN USTs.

N

0 50 100 Feet

1 " = 50 '
1:600

PROJECT:
STATE HIGHWAY 32
WISDOT ID #9190-13-00
PULASKI, WISCONSIN

SHEET TITLE:
PHASE 2.5 INVESTIGATION

DRAWN BY:	PAPEZ J	SCALE: 1: 600	PROJ. NO. 201040
CHECKED BY:	SELLWOOD A		FILE NO. 201040-001mb.mxd
APPROVED BY:	HAAK D	DATE PRINTED:	**FIGURE 3-2**
DATE:	MARCH 2013		

TRC
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Madison, WI 53717
Phone: 608.826.3600
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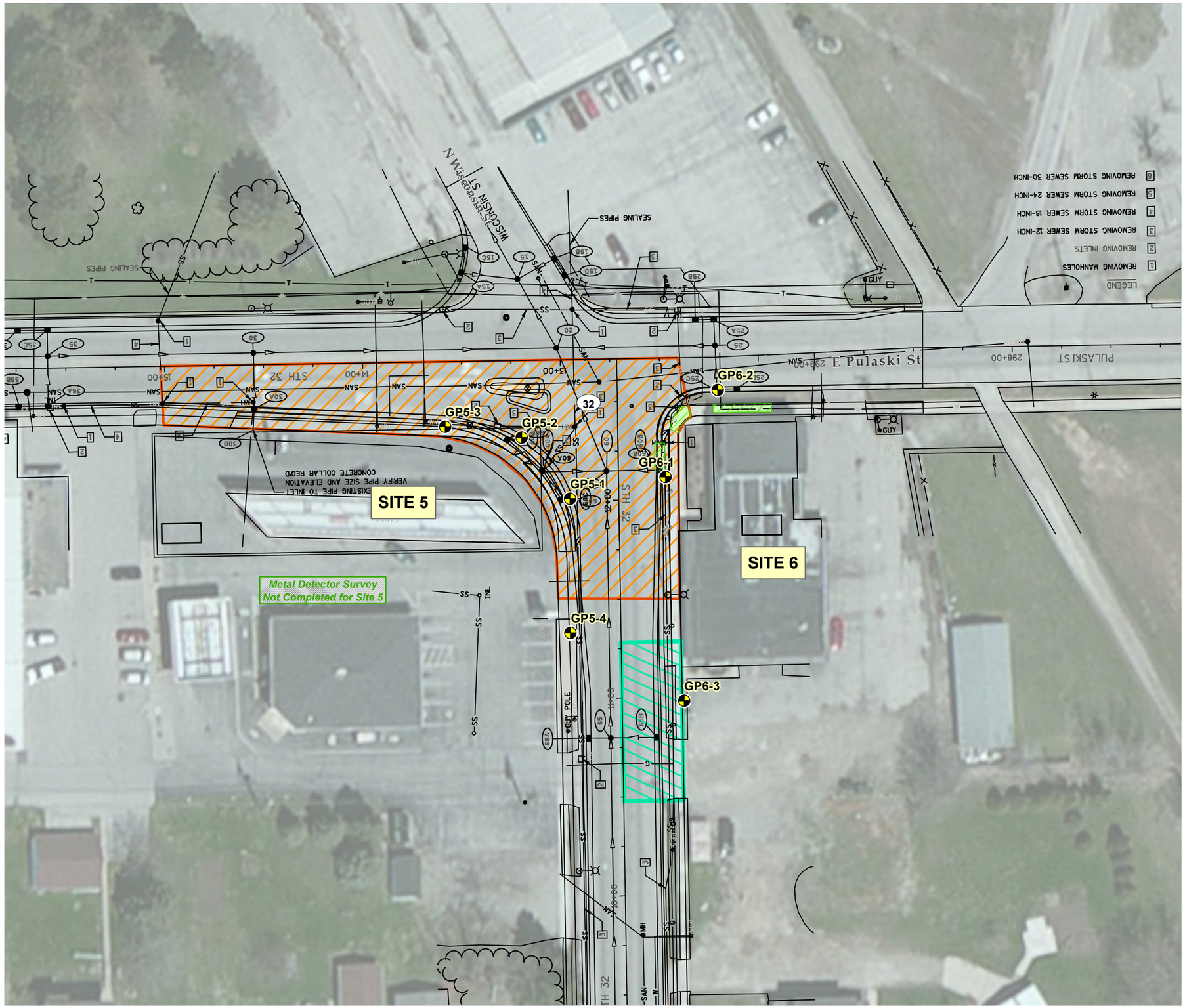
TRC - GIS
Coordinate System: NAD 1983 StatePlane Wisconsin Central FIPS 4802 Feet (Foot US)
Map Rotation: 0Degrees
Saved By: JPAPEZ on 3/26/2013, 09:45:11 AM
Path: E:\WI_DOT\2013_201040\201040-001mb.mxd



LEGEND

- BORING LOCATION
- APPROXIMATE METAL DETECTOR RESPONSE AREA (NOTE 3)
- APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA
- APPROXIMATE LEAD-CONTAMINATED SOIL AREA

NOTES

1. BASE MAP IMAGERY FROM ESRI "WORLD IMAGERY" BASEMAP WEB SERVICE LAYER.
2. DESIGN LINEWORK PROVIDED BY WisDOT, LOCATIONS ARE APPROXIMATE.
3. METAL DETECTOR SURVEY COMPLETED TO LOOK FOR POTENTIAL USTs. RESPONSE NOTED MAY REFLECT UTILITY OR OTHER SUBSURFACE OR SURFACE FEATURES OTHER THAN USTs.

N

0 50 100 Feet

1 " = 50 '

1:600

PROJECT:	**STATE HIGHWAY 32** **WISDOT ID #9190-13-00** **PULASKI, WISCONSIN**
SHEET TITLE:	**PHASE 2.5 INVESTIGATION**

DRAWN BY:	PAPEZ J	SCALE:	1: 600	PROJ. NO.	201040
CHECKED BY:	SELLWOOD A			FILE NO.	201040-001mb.mxd
APPROVED BY:	HAAK D	DATE PRINTED:		**FIGURE 3-3**	
DATE:	MARCH 2013				

TRC

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

TRC - GIS
Coordinate System: NAD 1983 StatePlane Wisconsin Central FIPS 4802 Feet (Foot US)
Map Rotation: 0Degrees
Saved By: JPAPEZ on 3/26/2013, 09:45:11 AM
Path: E:\WI_DOT\2013_201040\201040-001mb.mxd

Appendix A
Construction Plans

PROJECT ID: 9190-13-71

COUNTY: BROWN

ORDER OF SHEETS

TOTAL SHEETS =

DESIGN DESIGNATION

A.D.T. 2012	=	9,300
A.D.T. 2032	=	12,300
D.H.V.	=	793/486
D.	=	62-38%
T.	=	5.5
DESIGN SPEED	=	30-60 MPH
ESALS	=	1,416,200

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE (PL + 58.1)
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA
- EROSION MAT

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

VILLAGE OF PULASKI

GREEN BAY - S CHASE RD

STH 32

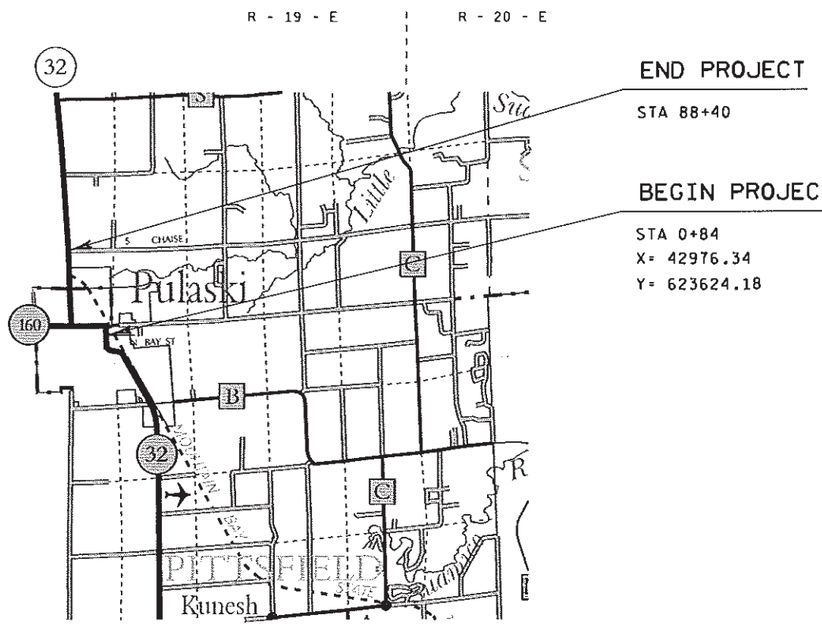
BROWN COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9190-13-71		

STATE PROJECT NUMBER

9190-13-71

N



LAYOUT

SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.66 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), BROWN COUNTY

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF (NAV29).

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

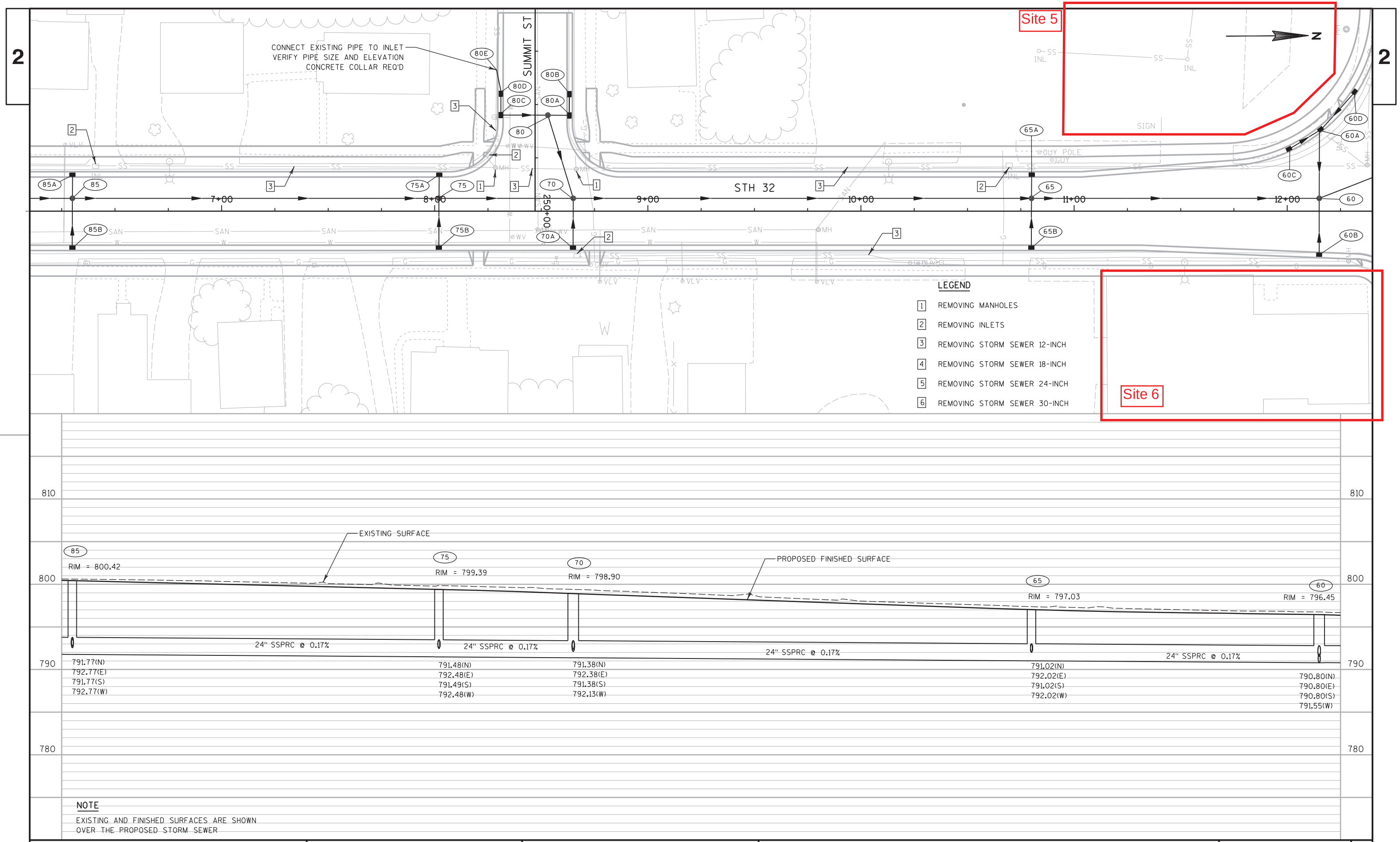
PREPARED BY

Surveyor	NE REGION
Designer	J. D. POTTER
Project Manager	A. D. FULCER
District Examiner	
District Supervisor	D. J. SEGERSTROM
C.O. Examiner	

APPROVED FOR DISTRICT OFFICE

DATE: _____ _____ (Signature)

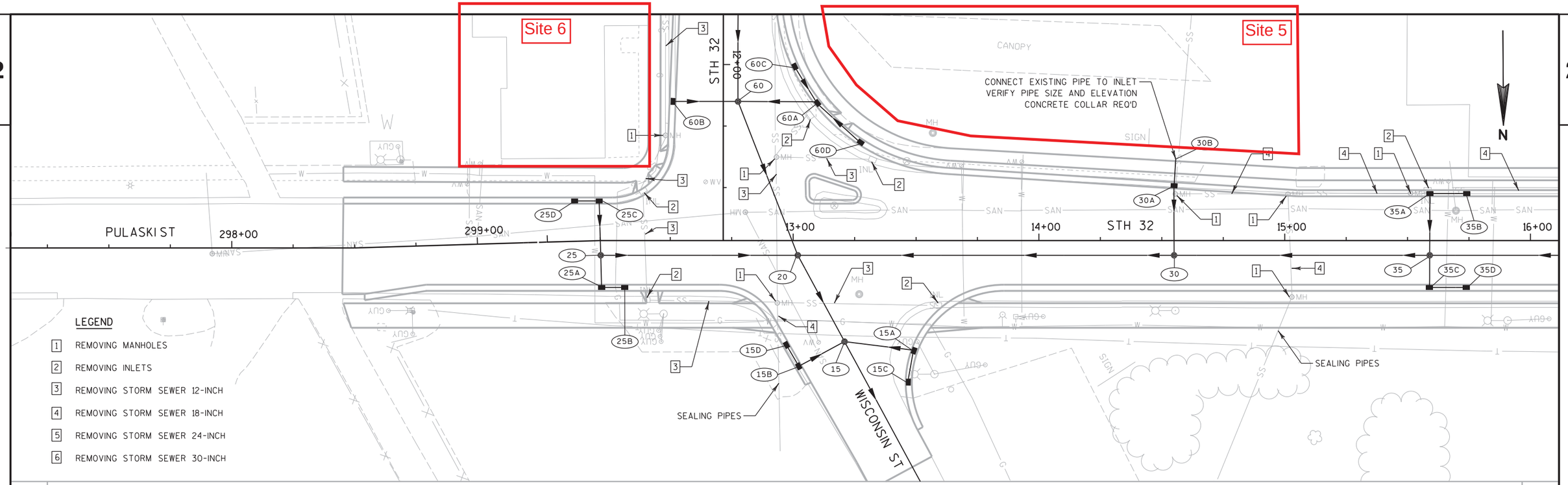
E

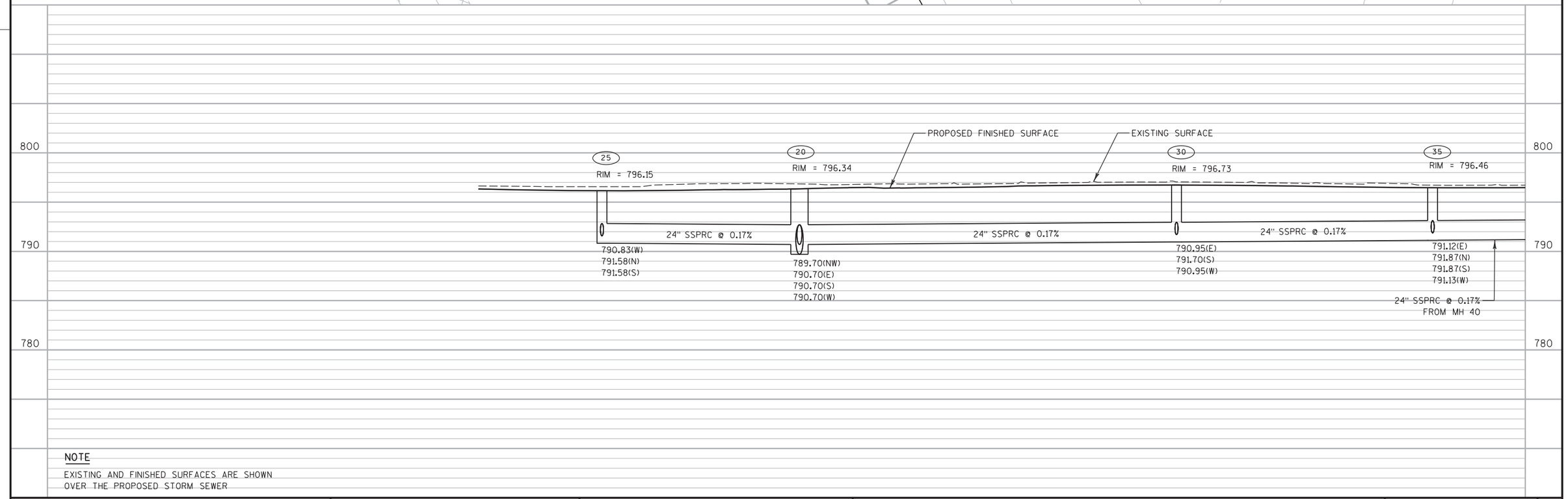


NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

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





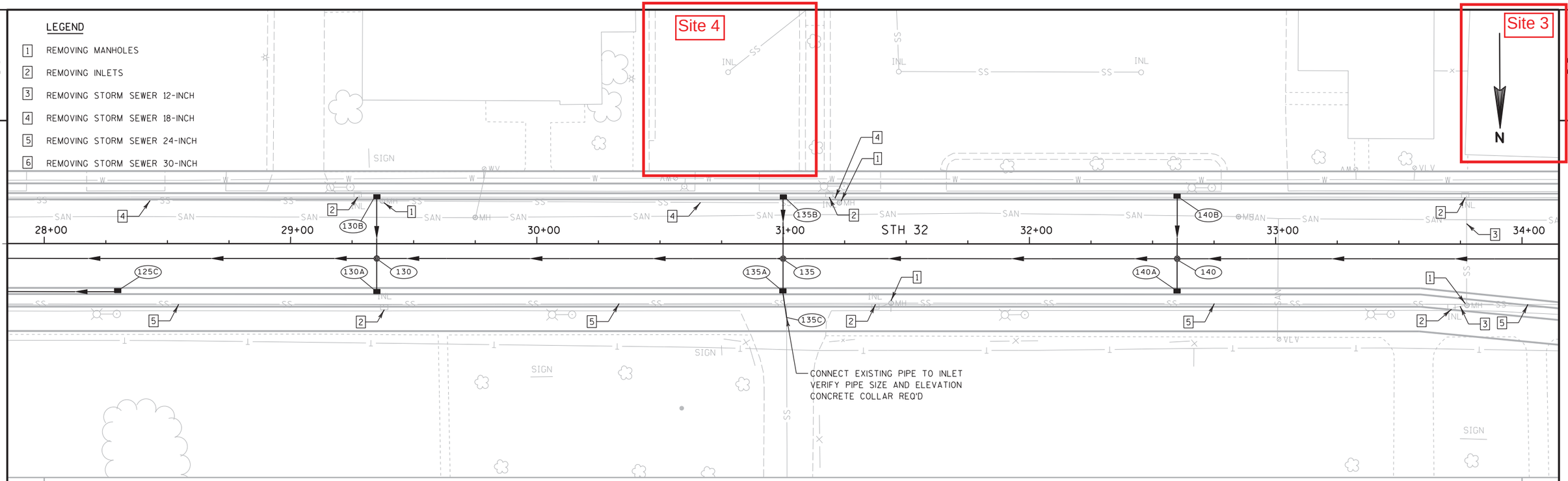
NOTE

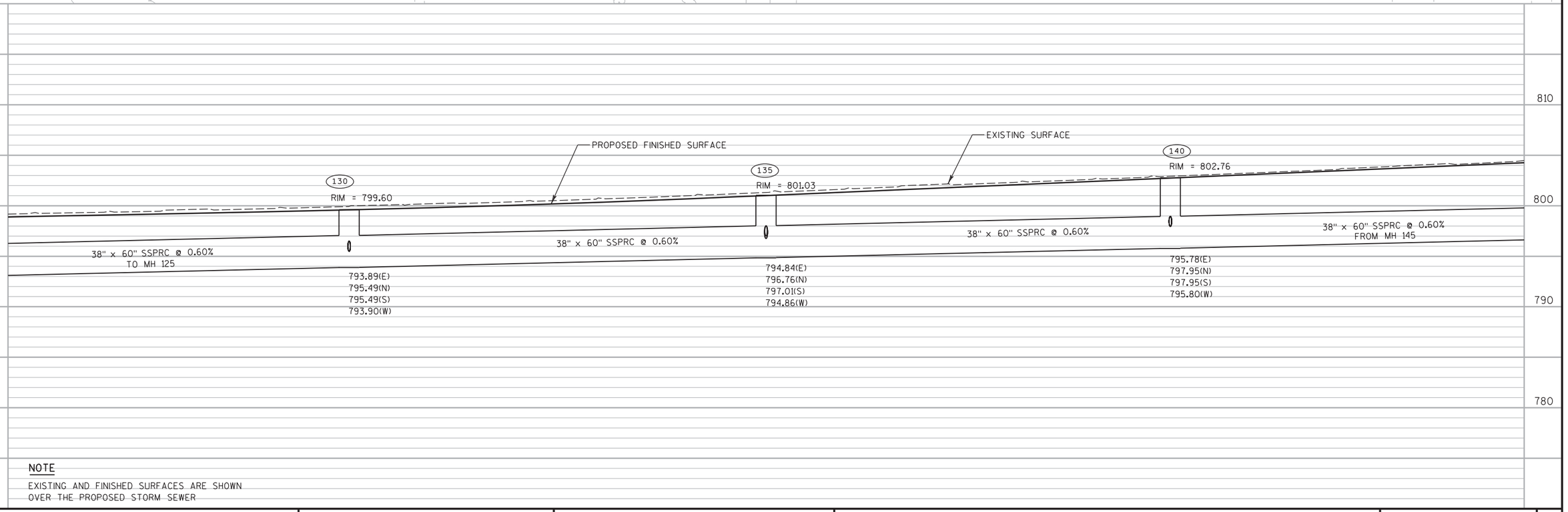
EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

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

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

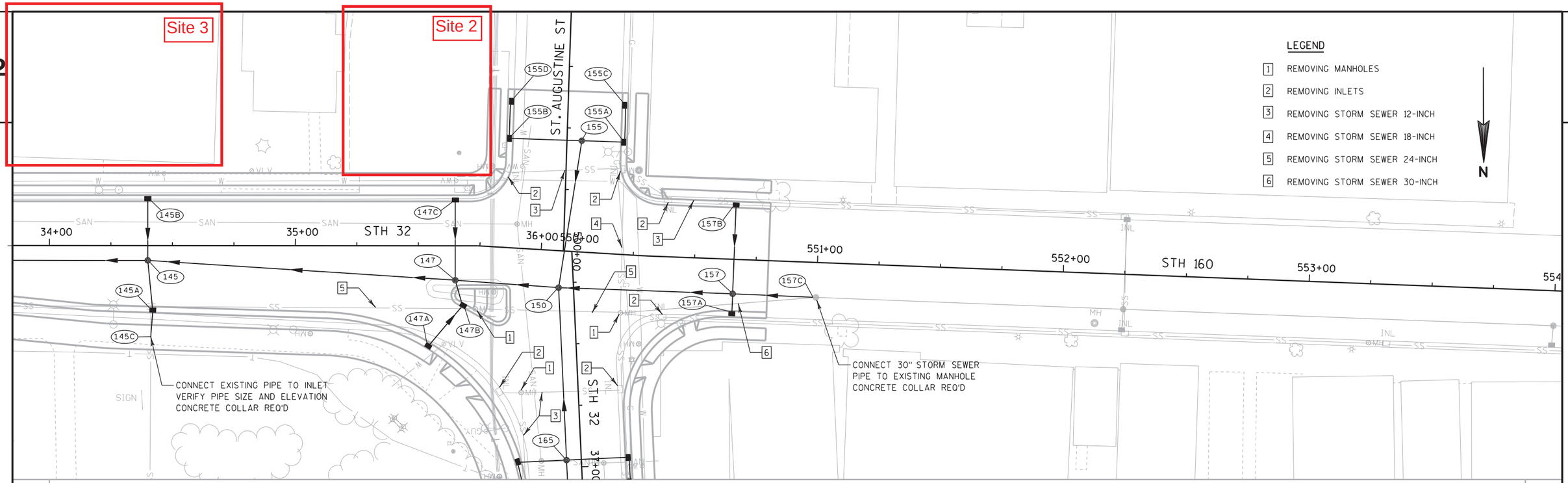


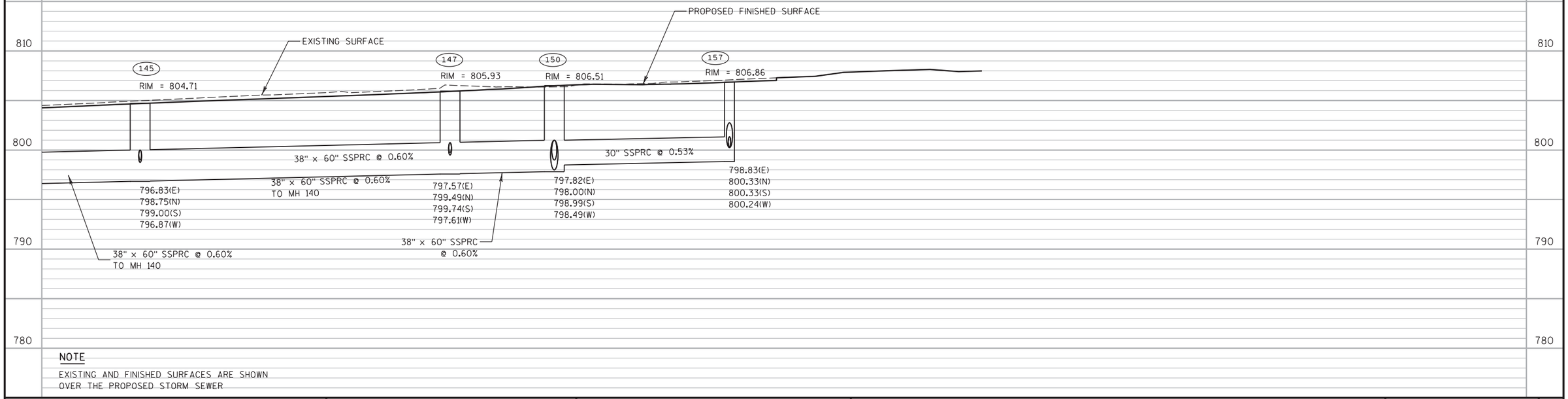


NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

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





NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

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

CONNECT EXISTING PIPE TO INLET
VERIFY PIPE SIZE AND ELEVATION
CONCRETE COLLAR REQ'D

Site1

CONNECT EXISTING PIPE TO INLET
VERIFY PIPE SIZE AND ELEVATION
CONCRETE COLLAR REQ'D

CHICAGO ST

STH 32

42+00 43+00 44+00 45+00 46+00 47+00 48+00

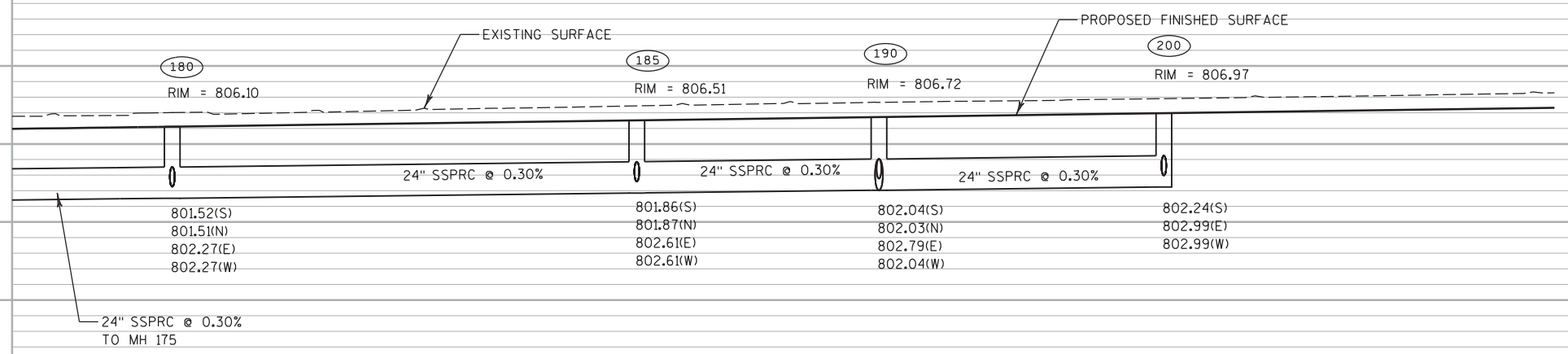
600+00

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

N

180 180A 180B 180C 185 185A 185B 185C 190 190A 195 195A 195B 195C 195D 195E 200 200A 200B 360E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN
OVER THE PROPOSED STORM SEWER

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

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022510_ss.dgn PLOT DATE : 11/9/2012 PLOT BY : wfs PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

Appendix B
Acquisition Summary

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			T.L.E. SQ. FT.	H.E. ACRES	PARCEL NUMBER
				NEW	EXISTING	TOTAL			
1	4.06	ANDREW J. VAN DEN ELZEN	TLE	---	---	---	1,103	---	1
2	4.06	SUSAN E. NACHTWEY	TLE	---	---	---	1,916	---	2
3	4.06	DONALD P. VOGT & LINDA M. VOGT	TLE	---	---	---	686	---	3
4	4.06	JONATHAN STENDER & TANYA LASEE	TLE	---	---	---	337	---	4
5	4.06	BRIAN F. & ROSE M. EFFERT	TLE	---	---	---	948	---	5
6	4.06	REBECCA L. DeMILLE	TLE	---	---	---	599	---	6
7	4.06	ATNA DEVELOPMENT LLC.	FEE & TLE	218	---	218	2,372	---	7
8	4.06	GARY KOZICKI	TLE	---	---	---	150	---	8
9	4.06	ESTATE OF JEROME H. KOZICKI & IRENE R. KOZICKI	TLE	---	---	---	300	---	9
10	4.06	GARY KOZICKI	TLE	---	---	---	300	---	10
11	4.06	MARQUIS YACHTS, LLC.	TLE	---	---	---	599	---	11
12	4.06	KEVIN & MICHELE F. KUBIAK	TLE	---	---	---	449	---	12
13	4.06	RONALD P. LaROCK & SUZANNE R. GIBSON	TLE	---	---	---	699	---	13
14	4.06	SANDRA BIERHALS	TLE	---	---	---	300	---	14
15	4.06	TAMMY L. DEUTSCHER	TLE	---	---	---	225	---	15
16	4.06	EDWARD & DELORES J. LEWIS	TLE	---	---	---	525	---	16
17	4.06	RUSSEL J. & CRYSTAL M. CIEZKI	TLE	---	---	---	320	---	17
18	4.06	WESLEY A. SCHUBERT	TLE	---	---	---	170	---	18
19	4.06	ESTATE OF ANGELINE E. BOROWSKI	TLE	---	---	---	447	---	19
20	---	---	---	---	---	---	---	---	20
21	4.06	CHARLES ULLMER	FEE & TLE	8.47	---	8.47	989	---	21
22	4.07	ALL WASHED UP, LLC.	TLE	---	---	---	300	---	22
23	4.07	McDERMID REALTY PARTNERSHIP, LLP.	TLE	---	---	---	27	---	23
24	4.07	WISCONSIN ELECTRIC POWER COMPANY	TLE	---	---	---	629	---	24
25	4.07	MARQUIS YACHTS, LLC.	FEE & TLE	532	---	532	1,585	---	25
26	4.07	MARGARET ADASIEWICZ	TLE	---	---	---	337	---	26
27	4.07	MARK & PATRICIA FEMLING	TLE	---	---	---	848	---	27
28	4.07	DAVID A. & SHERRIL L. OLSON	TLE	---	---	---	1,168	---	28
29	4.07	AMY J. ANGELI	TLE	---	---	---	1,138	---	29
30	4.06 & 4.07	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	TLE	---	---	---	398	---	30
31	4.07	DOROTHY PEPLINSKI TRUSTEE	FEE & TLE	88	---	88	783	---	31
32	4.08	VILLAGE OF PULASKI	TLE	---	---	---	785	---	32
33	4.08	ESTATE OF ANGELINE BOROWSKI	TLE	---	---	---	600	---	33
34	4.08	GEGORY P. & JANICE M. SMURAWA	TLE	---	---	---	532	---	34
35	4.07,4.08,4.09,4.10	FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.	FEE & TLE	18,414	---	18,414	19223	---	35

4

4

REVISION DATE	DATE 1-14-2013	SCALE, FEET 0 N/A	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.02	
			COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

SCHEDULE OF LANDS & INTERESTS REQUIRED

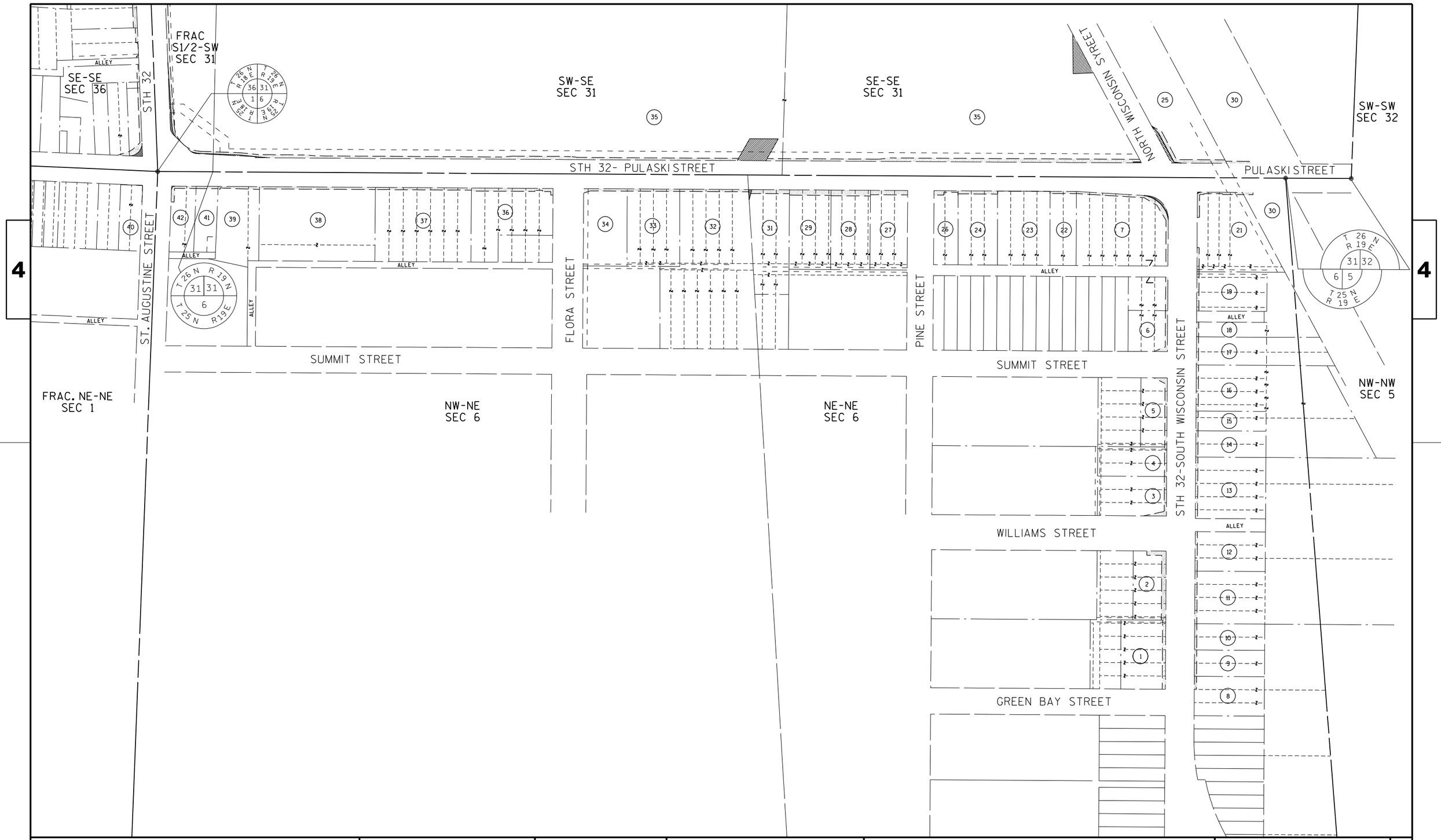
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			T.L.E. SQ. FT.	H.E. ACRES	PARCEL NUMBER
				NEW	EXISTING	TOTAL			
36	4.08	SCOTT D. & PAMELA JANSSEN	TLE	---	---	---	1299	---	36
37	4.08	F&M BANK NORTHEAST	TLE	---	---	---	1,095	---	37
38	4.08	THE CONGREGATION OF THE ASSUMPTION BLESSED VIRGIN	TLE	---	---	---	1,322	---	38
39	4.08	VANDENBUSH ENTERPRISES, LLC.	TLE	---	---	---	469	---	39
40	4.08	RICHARD T. KUEHN	TLE	---	---	---	22	---	40
41	4.08	NORTHEAST COMMUNICATION OF WISCONSIN	TLE	---	---	---	250	---	41
42	4.08	BRADLEY P. AMBROSIUS	FEE & TLE	13	---	13	485	---	42
43	4.09	VILLAGE OF PULASKI	FEE & TLE	204	---	204	1,057	---	43
44	4.09	RONALD A. & MELISSA R. MADLEM	TLE	---	---	---	206	---	44
45	4.09	PULASKI PROPERTIES, LLC	TLE	---	---	---	146	---	45
46	4.09	ROBERT & TRUDY WIED	TLE	---	---	---	200	---	46
47	4.09	AMERICAN LEGION POST 337 ADAM V. MIXTOCKI	TLE	---	---	---	864	---	47
48	---	---	---	---	---	---	---	---	48
49	4.09	KIM A. WOZNIAK	TLE	---	---	---	439	---	49
50	---	---	---	---	---	---	---	---	50
51	4.09	FLORENCE J. YUREK	TLE	---	---	---	300	---	51
52	4.09	ANDREW M. THOMAS	TLE	---	---	---	675	---	52
53	4.09	FRONTIER SAVINGS ASSOCIATION	TLE	---	---	---	1,650	---	53
54	4.09	ERICK & ANNE MARIE FINKE	TLE	---	---	---	1,179	---	54
55	4.09	GRANT I. WOJTA	TLE	---	---	---	601	---	55
56	4.09	ROBERT & PHYLLIS BETLEY	TLE	---	---	---	2,745	---	56
57	4.09	ROBERT J. & DENISE L. WILLIS	TLE	---	---	---	1,838	---	57
58	4.10	CONGREGATION OF THE HOLY CROSS OF PULASKI, WI.	TLE	---	---	---	1,630	---	58
59	4.10	CHRISTOPHER G. & AMY J. JACOBS	TLE	---	---	---	69	---	59
60	---	---	---	---	---	---	---	---	60
61	4.10	JOSEPH M. ULLMER	TLE	---	---	---	602	---	61
62	4.10	ARLIN F. & GLORIA J. POLCZINSKI	TLE	---	---	---	700	---	62
63	4.10	JAMES E. HELMS & EDITH L. HELMS	TLE	---	---	---	409	---	63
64	4.10	SMP ENTERPRISES, LLC.	FEE & TLE	1,240	---	1,240	1,679	---	64
65	---	---	---	---	---	---	---	---	65
66	4.10	COUNTRY CARE PROPERTIES, LLC.	FEE	7,806	---	7,806	---	---	66

4

4

REVISION DATE	DATE 1-14-2013	SCALE: FEET 0 N/A	HWY: STH 132	STATE R/W PROJECT NUMBER	PLAT SHEET 4.03	
			COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E



REVISION DATE	DATE	NOT TO SCALE	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.04	
			COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

4

4

SE-SE
SEC 36

NE-SE
SEC 36

FRAC. NE-NE
SEC 1

ALLEY

MAIN STREET

STH 160-WEST PULASKI STREET

CHICAGO STREET

ALLEY

ALLEY

43 44 45 46 47 49 51 52 53

54 55 56 57 58 59 61 62 63 64

ST. AUGUSTINE STREET

STH 32-ST. AUGUSTINE STREET

FRAC S1/2-SW
SEC 31

FRAC N1/2-SW
SEC 31

35

66

35

NW-NE
SEC 6

SW-SE
SEC 31

NW-SE
SEC 31

STH 32-PULASKI STREET

FLORA STREET

REVISION DATE	DATE	NOT TO SCALE	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.05	
			COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

4

PI 145+45.57
Y=623,619.31
X=42,521.88

PI 194+91.21
Y=624,005.59
X=42,469.94

PI 245+93.20
Y=624,389.29
X=42,574.33

R/L PI 26+67.93
Y=624,818.99
X=41,587.41

Y=624,827.87
X=40,646.11
NAIL

VILLAGE

BLOCK 9

BLOCK 6

BLOCK 5

BLOCK 2

BLOCK 1

PEPLINSKI'S ADDITION

GREEN BAY STREET

WILLIAMS STREET

SUMMIT STREET

ALLEY

PULASKI STREET STH 32

SECTION LINE

REFERENCE LINE

BEARING

BEGIN RELOCATION ORDER
STA. 0+00.00
Y= 623,539.45
X= 42,975.81

PARCEL 21

COURSE	BEARING	DISTANCE
7001-9063	S 89°39'50" E	2,370.73'
9063-8179	S 00°21'32" W	33.20'
8179-9020	S 00°21'32" W	3.72'
-	C52	-
9018-8179	N 89°40'14" W	7.54'

PARCEL 7

COURSE	BEARING	DISTANCE
7001-9062	S 89°39'50" E	2,248.57'
9062-9022	S 00°20'10" W	41.51'
9022-8310	S 86°32'25" E	7.76'
-	C16	-
8309-8308	S 11°14'08" E	8.25'
8308-9021	S 00°21'32" W	5.05'
-	C53	-

ANDREW J. VAN DEN ELZEN

SUSAN E. NACHTWEY

DONALD P. VOGT & LINDA M. VOGT

JONATHAN STENDER & TANYA LASEE

BRIAN F. & ROSE M. EFFERT

REBECCA L. DeMILLE

ATNA DEVELOPMENT, LLC.

GARY KOZICKI

ESTATE OF JEROME H. KOZICKI & IRENE R. KOZICKI

GARY KOZICKI

MARQUIS YACHTS, LLC.

KEVIN & MICHELE F. KUBIAK

RONALD P. LOROCK & SUZANNE R. GIBSON

SANDRA BIERHALS

TAMMY L. DEUTSCHER

EDWARD & DELORES J. LEWIS

RUSSEL J. & CRYSTAL M. CIEZKI

ESTATE OF ANGELINE E. BOROWSKI

CHARLES ULLMER

WESLEY A. SCHUBERT

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

PULASKI

TLE SLOPES

10' WIDE VILLAGE EASEMENT DOC. 1220353 & 45869, J. 7

15' WIDE SAN. EASEMENT DOC. 1312875 & J. 20248, P. 28

30' WIDE SAN. EASEMENT DOC. 1322877 & J. 20248, P. 28

10' WIDE VILLAGE EASEMENT DOC. 1233481 & J. 16407, P. 6

WELL RIGHTS EASEMENT DOC. 2565691 VOL. 29, PG. 124

SECTION LINE BEARING S 01°40'17" E 3,075.40'

STH 32-SOUTH WISCONSIN STREET

STA. 0+77.75 STH 32
STA. 150+00.00 GREEN BAY STREET

STA. 04+62.41 STH 32
STA. 200+00.00 WILLIAMS STREET

STA. 08+47.08 STH 32
STA. 250+00.00 SUMMIT STREET

PISTA. 12+71.54 STH 32
STA. 300+00.00 PULASKI STREET
Y=624,810.96
X=42,983.78

R/L PI 299+50.00
Y=624,810.67
X=43,033.78

R/L PI 298+50.00
Y=624,813.10
X=43,133.75

Y=624,812.79
X=43,217.73
NAIL
297+66.02
0.18' RT.

Y=624,811.91
X=43,367.50
NAIL
296+16.25
0.16' RT.

R/L PI 296+16.29
Y=624,811.75
X=43,367.46

SE-SE SEC 31

NE-NE SEC 6

NW-NW SEC 5

SW-SW SEC 32

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32-PULASKI ST		VARIES	
STH 32-S. WISCONSIN ST		66'	
GREEN BAY STREET		60'	
WILLIAMS STREET		80'	
SUMMIT STREET		60'	

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C16	66.37'	61.70'	S 48°53'16" E	50.50'
C53	83.60'	77.78'	N 45°50'54" W	64.00'
C52	8.71'	8.41'	N 64°03'13" E	9.50'

GN

REVISION DATE	DATE	SCALE, FEET	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.06	
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

GN

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9064	S 89°39'50" E	2260.80'
9064-8187	N 28°07'43" W	37.29'
8187-7938	N 89°40'14" W	18.75'
7938-7937	N 00°19'46" E	2.00'
7937-7936	S 89°40'14" E	17.67'
7936-8187	S 28°07'43" E	2.27'

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9064	S 89°39'50" E	2260.80'
9064-8187	N 28°07'43" W	37.29'
8187-9148	N 28°07'43" W	232.90'
9148-9149	S 87°31'44" W	46.21'
9149-9150	N 00°37'14" W	90.19'
9150-9148	S 28°07'43" E	100.00'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32			
PINE STREET			
N. WISCONSIN ST.			

PARCEL 25

COURSE	BEARING	DISTANCE
7001-9077	S 89°39'50" E	2,329.05'
9077-7944	N 28°07'43" W	37.30'
7944-9066	N 28°07'43" W	95.40'
9066-9065	S 43°22'58" E	22.80'
9065-9067	S 28°07'43" E	74.38'
9067-9068	S 83°03'39" E	17.37'
9068-7944	N 89°40'14" W	23.00'

SW-SE
SEC 31

SE-SE
SEC 31

NW-NE
SEC 6

NE-NE
SEC 6

NW-NW
SEC 5

4

4

VILLAGE OF PULASKI

SIXTEENTH LINE

PINE STREET

NORTH WISCONSIN STREET

STH 32 - SOUTH WISCONSIN STREET

PULASKI STREET

SUMMIT STREET

ALLEY

PEPLINSKI'S ADDITION

BLOCK 1

BLOCK 2

BLOCK 3

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

MAROUIS YACHTS, LLC

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

DOROTHY PEPLINSKI TRUSTEE

AMY J. ANGELI

DAVID A. & SHERRIL L. OLSON

MARK & PATRICIA FEMLING

MARGARET ADASIEWICZ

WISCONSIN ELECTRIC POWER COMPANY

McDERMID REALTY PARTNERSHIP, LLP.

ALL WASHED UP, LLC.

PARCEL 31

COURSE	BEARING	DISTANCE
7001-8064	S 89°39'50" E	1,345.14'
8064-8177	S 03°23'27" E	33.39'
8177-7942	S 89°40'14" E	7.62'
7942-7941	S 15°05'24" W	23.98'
7941-8177	N 03°23'27" W	23.23'

Y=624,827.87
X=40,646.11
NAIL

Y=624,811.91
X=43,367.50
NAIL
296+16.25
0.16' RT.

Y=624,812.79
X=43,217.73
NAIL
297+66.02
0.18' RT.

PI 354+00.00
Y=625,163.87
X=42,774.99

PI 396+06.87
Y=624,421.27
X=42,383.78

PI STA. 12+71.54 STH 32
STA. 300.00 PULASKI STREET
Y=624,810.96
X=42,983.78

R/L PI 26+67.93
Y=624,818.99
X=41,587.41

R/L PI 296+16.29
Y=624,811.75
X=43,367.46

R/L PI 299+50.00
Y=624,810.67
X=43,033.78

R/L PI 298+50.00
Y=624,813.10
X=43,133.75

STA. 18+69.03 STH 32
STA. 400+00.00 PINE STREET

STA. 12+91.82 STH 32
STA. 350.00 N. WIS. ST.

SECTION LINE BEARING S 01°40'17" E 3,075.40'

REVISION DATE	DATE	SCALE, FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.07
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32			
ST. AUGUSTINE STREET			
FLORA STREET			
STH 160			

GN

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9078	S 89°39'50" E	250.94'
9078-8471	N 00°20'10" E	32.76'
8471-8747	N 89°39'13" W	29.01'
8747-8746	N 00°20'47" E	2.31'
8746-8737	N 87°03'06" W	132.78'
--	C50	--
--	C48	--
8466-8467	S 87°49'09" E	89.96'
8467-8471	S 84°12'19" E	64.55'

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9079	S 89°39'50" E	1,321.27'
9079-8480	N 00°20'10" E	32.68'
8480-8481	N 29°34'41" E	57.31'
8481-8482	S 89°40'14" E	65.00'
8482-7930	S 29°34'41" W	57.31'
7930-8480	N 89°40'14" W	65.00'

DETAIL 'A' n.t.s.

DETAIL 'B' n.t.s.

PARCEL 42

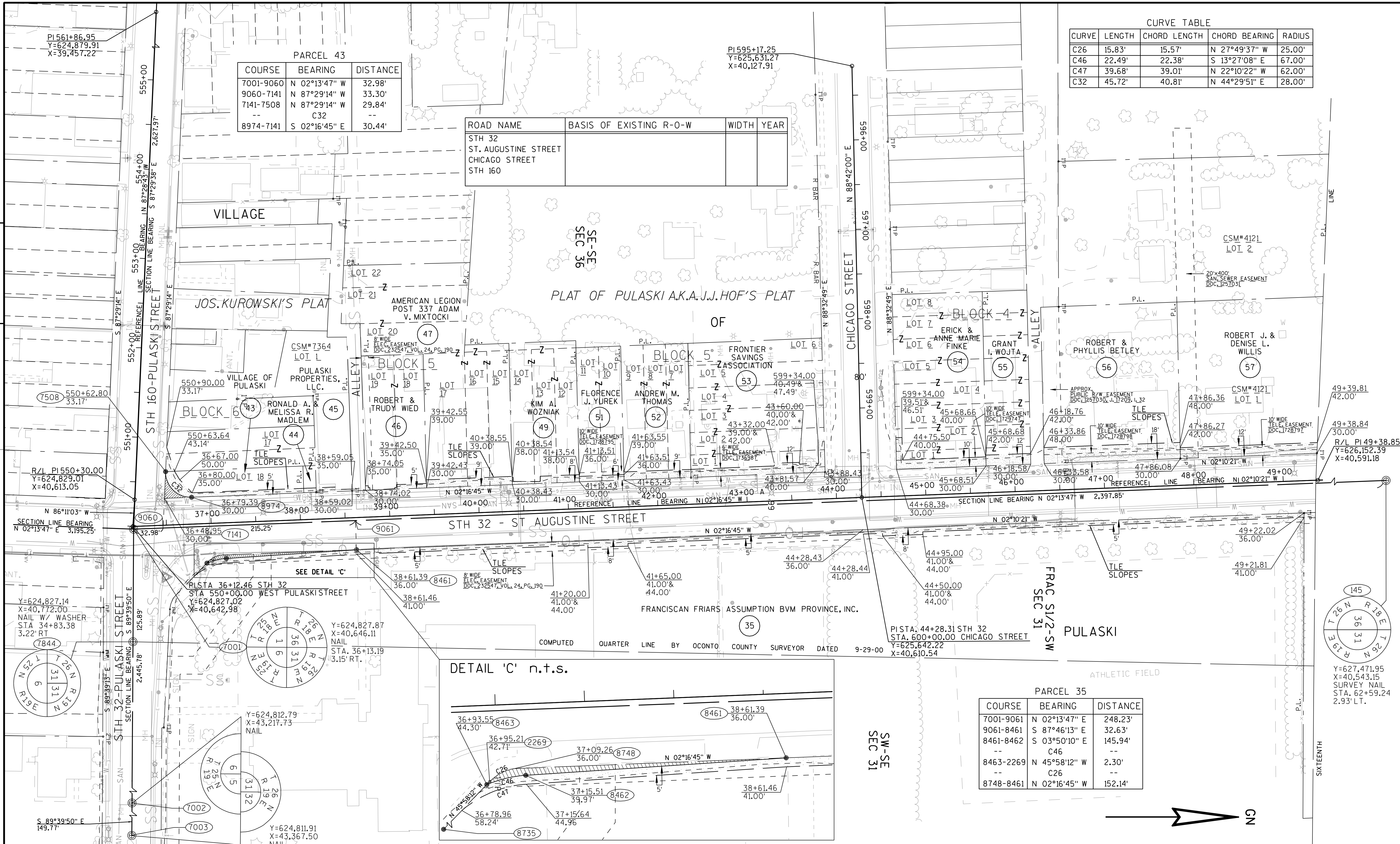
COURSE	BEARING	DISTANCE
7001-9058	S 89°39'50" E	33.02'
9058-8114	S 02°13'47" W	33.22'
8114-9037	S 89°39'13" E	7.74'
--	C54	--
9036-8114	N 02°13'47" E	7.74'

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C54	12.30'	11.13'	S 46°17'17" W	8.00'
C49	39.38'	38.72'	N 69°37'30" W	62.00'
C51	3.25'	3.24'	S 49°41'21" E	25.00'
C48	21.62'	21.53'	S 78°34'28" E	67.00'
C50	14.68'	14.47'	N 70°13'48" W	25.00'

REVISION DATE	DATE	SCALE, FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.08	
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Brown Co\RW Plat\040108_rp.dgn PLOT DATE : 1/14/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C26	15.83'	15.57'	N 27°49'37" W	25.00'
C46	22.49'	22.38'	S 13°27'08" E	67.00'
C47	39.68'	39.01'	N 22°10'22" W	62.00'
C32	45.72'	40.81'	N 44°29'51" E	28.00'

PARCEL 43

COURSE	BEARING	DISTANCE
7001-9060	N 02°13'47" W	32.98'
9060-7141	N 87°29'14" W	33.30'
7141-7508	N 87°29'14" W	29.84'
--	C32	--
8974-7141	S 02°16'45" E	30.44'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32 ST. AUGUSTINE STREET CHICAGO STREET STH 160			

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9061	N 02°13'47" E	248.23'
9061-8461	S 87°46'13" E	32.63'
8461-8462	S 03°50'10" E	145.94'
--	C46	--
8463-2269	N 45°58'12" W	2.30'
--	C26	--
8748-8461	N 02°16'45" W	152.14'

REVISION DATE	DATE	SCALE, FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.09	
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

4

4

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C45	271.04'	271.04'	S 01°27'02" E	12,794.88'
C8	262.69'	262.68'	N 01°34'05" W	11,637.83'
C7	269.34'	269.33'	N 01°33'28" W	11,747.83'
C29	269.49'	269.49'	S 01°33'24" E	11,752.83'

PARCEL 64

COURSE	BEARING	DISTANCE
145-9100	S 02°13'47" E	299.13'
9100-8984	S 87°46'13" W	53.02'
8984-7959	S 02°50'01" W	80.18'
7959-7958	S 02°12'53" E	111.28'
7958-8918	N 22°03'14" W	33.17'
8919-8919	N 02°03'27" W	50.00'
8919-8984	N 07°10'22" E	111.44'

Y=624,827.87
X=40,646.11
NAIL
STA 36+13.19
3.15' RT.

Y=627,471.95
X=40,543.15
SURVEY NAIL
STA 62+59.24
2.93' LT.

QUARTER LINE BEARING N 87°56'39" W 2,571.69'

QUARTER LINE BEARING N 89°21'09" W 2,927.68' TOTAL

VILLAGE OF

CONGREGATION OF THE HOLY CROSS OF PULASKI, WI. (58)

CHRISTOPHER C. & AMY J. JACOBS (59)

JOSEPH M. ULLMER (61)

ARLIN F. & GLORIA J. POLCZINSKI (62)

CSM#1844 LOT 2

CSM#1844 LOT 1
JAMES E. HELMS & EDITH L. HELMS (63)

MICHAEL M. & DONNA M. MAY

SMP ENTERPRISES, LLC. (64)

COUNTRY CARE PROPERTIES, LLC. (66)

CSM#4347 LOT 1

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC. (35)

END RELOCATION ORDER
STA. 62+59.17
Y= 627,471.92
X= 40,546.09

PULASKI

NE-SE SEC 36

FRAC N1/2-SW SEC 31

NW-SE SEC 31

SEPTIC

12' WIDE ALONG P.L. CL. UTIL. EASEMENT DOC. 318121, VOL. 7, PG. 437

DRAIN TILE EASEMENT DOC. 369477, V. 5108, P. 5

10' WIDE TELE. EASEMENT DOC. 1727704

10' WIDE TELE. EASEMENT DOC. 1728118

10' WIDE TELE. EASEMENT DOC. 1732782

10' WIDE TELE. EASEMENT DOC. 1728119

10' WIDE TELE. EASEMENT DOC. 1727705

10' WIDE TELE. EASEMENT DOC. 1728117

12' WIDE UTILITY EASEMENT DOC. 1302570, VOL. 27, PG. 207

TLE SLOPES

WIDTH VARIES

SECTION LINE BEARING N 02°13'47" W 2,646.08'

REFERENCE LINE BEARING N 02°03'27" W

STH 32 - ST AUGUSTINE STREET

PC 59+84.44

R/L PI 49+38.85
Y=626,152.39
X=40,591.18

R/L PI 51+64.95
Y=626,378.33
X=40,582.45

R/L PI 44+28.31
Y=625,642.22
X=40,610.54

COMPUTED QUARTER LINE BY OCONTO COUNTY SURVEYOR DATED 9-29-00

SIXTEENTH

GN

PARCEL 66

COURSE	BEARING	DISTANCE
7001-7849	N 02°13'47" W	1,323.04'
7849-7982	S 89°26'54" E	32.69'
7982-7977	N 02°12'53" W	230.29'
7977-7978	N 87°47'07" E	12.00'
7978-7979	N 02°12'53" W	356.53'
7979-8958	S 89°46'27" E	9.99'
8958-8460	S 02°03'27" E	356.18'
8460-8454	S 02°12'53" E	14.88'
8454-8455	S 87°47'07" W	3.00'
8455-8456	S 02°12'53" E	211.17'
8456-8956	S 02°10'21" E	17.60'
8956-7976	N 89°46'27" W	18.01'
7976-7982	N 02°10'21" W	12.67'

PARCEL 35

COURSE	BEARING	DISTANCE
145-7988	S 89°21'09" E	63.04'
7988-8445	S 89°21'09" E	17.92'
--	C45	--
8962-8960	S 02°03'27" E	184.44'
8960-8961	S 02°44'38" W	250.88'
8961-8958	S 02°03'27" E	28.78'
8958-7979	N 89°46'27" W	9.99'
7979-7985	N 02°12'53" W	161.32'
7985-7986	N 06°18'58" E	101.12'
7986-7984	N 02°12'53" W	210.66'
--	C8	--

STH 32
PI=62+59.28
Y=627,471.95
X=40,543.15
DELTA=2°26'47" RT
D=0°26'42"
T=274.84'
L=549.60'
R=12,871.88'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32 ST. AUGUSTINE STREET			

REVISION DATE	DATE	SCALE, FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER	PLAT SHEET 4.10
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET E

TRANSPORTATION PROJECT PLAT NO: - 4.01

THAT PART OF THE FRACTIONAL S1/2-NW1/4 OF SECTION 31, T.26N., R.19E., TOWN OF CHASE, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 32 OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4.01
AMENDMENT NO:

BROWN CO.
Y=627,471.95
X=40,543.15
(OCONTO CO.)
Y=103,137.27
X=513,023.61
SURVEY NAIL
STA. 62+59.24
2.93' LT.

145

T 26 N R 18 E
36 31
T 26 N R 19 E

QUARTER LINE BEARING N 87°56'39" W 2,571.69'

4

62+00 63+00 64+00 65+00 PT 65+34.04 66+00 67+00 68+00 REFERENCE LINE 69+00 BEARING N 00°23'20" E 70+00 71+00 72+00 73+00 74+00 75+00 76+00

SECTION LINE BEARING N 00°23'20" E 2,649.62'

32' WIDE ELEC. EASEMENT DOC. 157374, VOL. 160, PG. 116

STH 32 - ST AUGUSTINE STREET

32' WIDE ELEC. EASEMENT DOC. 156914, VOL. 160, PG. 116

7996

62+57.61 (7988) 60.09'
65+23.35 (8046) 60.00'
66+66.44 (8452) 60.00' N 00°23'20" E
71+51.31 (8048) 60.00'
72+67.90 60.00' N 00°23'20" E (8437)

C11
C44

62+56.95 (8453) 85.00'
65+34.04 (8443) 85.00'
66+66.36 (8451) 85.00'
68+10.00 75.00'& 85.00'
67+50.00 (8442) 70.00'
69+50.00 75.00'& 85.00'
70+00.00 70.00'& 85.00'
70+50.00 70.00'& 85.00'
71+00.00 70.00'& 85.00'
71+45.32 (8440) 70.00'
72+61.91 70.00'
73+00.00 60.00'& 70.00'

N 58°40'17" W 100'

HON TRUST AGREEMNT
74

TOWN

WADE M. & KATHLEEN B. WILLIAMS
71

PARCEL 71

COURSE	BEARING	DISTANCE
145-7988	S 89°21'09" E	63.04'
-	C11	-
8046-8452	N 00°23'20" E	143.04'
8452-8451	S 89°26'50" E	25.00'
8451-8443	S 00°23'20" W	132.32'
-	C44	-
8453-7988	N 89°21'09" W	24.92'

ROBERT J. & ANNETTE M. EGNARSKI
72

OCONTO COUNTY

OF

FRAC S1/2-NW SEC 31

WISCONSIN DEPARTMENT OF NATURAL RESCOURCES
30

STH 32
PI=89+14.30
BROWN CO.
Y=630,126.99
X=40,561.17
(OCONTO CO.)
Y=105,792.31
X=513,044.62
DELTA=3°46'00" LT
D=0°30'00"
T=376.79'
L=753.31'
R=11,459.16'

10' WIDE TELE. EASEMENT DOC. 435202, VOL. 679, PG. 748

CHASE

PARCEL 72

COURSE	BEARING	DISTANCE
145-7988	S 89°21'09" E	63.04'
-	C11	-
8046-8452	N 00°23'20" E	143.04'
8452-8048	N 00°23'20" E	484.87'
8048-8440	S 58°40'17" E	11.66'
8440-8442	S 00°23'20" W	395.32'
8442-8451	S 09°46'45" E	84.97'
8451-8452	N 89°26'50" W	25.00'

SIXTEENTH LINE

T 26 N R 18 E
36 25
31 30
T 26 N R 19 E

1525

BROWN CO.
Y=630,121.52
X=40,561.14
(OCONTO CO.)
Y=105,786.84
X=513,044.58
NAIL W/ WASHER
STA. 89+08.69
6.01' RT.

P.I.

QUARTER LINE BEARING S 89°21'09" E 2,927.68'

CENTERLINE OF ELEC. EASEMENT DOC. 197693, VOL. 204, PG. 270

30' 30'

60' WIDE HIGHWAY EASEMENT DOC. 199013, VOL. 205, PG. 551 DOC. 199369, VOL. 207, PG. 214

20' WIDE INGRESS/EGRESS EASEMENT DOC. 384261, VOL. 582, PG. 767

STH 32
PI=62+59.28
BROWN CO.
Y=627,471.95
X=40,543.15
(OCONTO CO.)
Y=103,137.27
X=513,023.61
DELTA=2°26'47" RT
D=0°26'42"
T=274.84'
L=549.60'
R=12,871.88'

COMPUTED QUARTER LINE BY OCONTO COUNTY SURVEYOR DATED 9-29-00

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32			

SW-NE SEC 31

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ. FT.
30	WISCONSIN DEPT. OF NATURAL RESOURCES	TLE	---	---	---	1,166
71	WADE M. & KATHLEEN B. WILLIAMS	FEE	10,190	---	10,190	---
72	ROBERT J. & ANNETTE M. EGNARSKI	FEE & TLE	5,446	---	5,446	3,727
74	HON TRUST AGREEMENT	TLE	---	---	---	351

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C11	264.50'	264.50'	N 00°16'13" W	11,637.83'
C44	275.26'	275.26'	S 00°13'40" E	12,786.88'

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (1" UNLESS NOTED)	PROPOSED R/W LINE
	EXISTING H.E. LINE
R/W MONUMENT ●(SET)	PROPERTY LINE
R/W STANDARD ▲(SET)	LOT & TIE LINES
SIGN	SLOPE INTERCEPTS
SECTION CORNER MONUMENT	CORPORATE LIMITS
SECTION CORNER SYMBOL	NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
FEE (HATCH VARIES)	NO ACCESS (BY ACQUISITION)
TEMPORARY LIMITED EASEMENT	NO ACCESS (BY STATUTORY AUTHORITY)
PERMANENT LIMITED EASEMENT	SECTION LINE
R/W BOUNDARY POINT	QUARTER LINE
PARCEL NUMBER 102	SIXTEENTH LINE
SIGN NUMBER (OFF PREMISE) 21-1	EXISTING CENTERLINE
BUILDING	PROPOSED REFERENCE LINE
	PARALLEL OFFSET

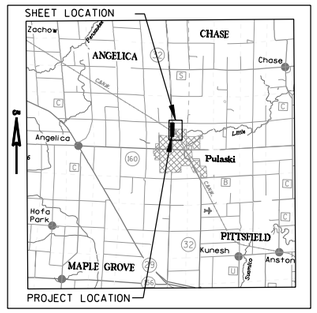
CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER — W —		
GAS — G —		
TELEPHONE — T —		
OVERHEAD — OH —		
TRANSMISSION LINES		
ELECTRIC — E —		
CABLE TELEVISION — TV —		
FIBER OPTIC — FO —		
SANITARY SEWER — SAN —		
STORM SEWER — SS —		
POWER POLE	○	●
TELEPHONE POLE	⌀	⌀
TELEPHONE PEDESTAL	⌧	⌧
ELECTRIC TOWER	☒	

GN

SCALE, FEET
0 50 100

SHEET LOCATION



GRAEF
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920 / 592 9445 fax
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I, MICHAEL C. JENSEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPT. OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE: _____ MICHAEL C. JENSEN _____
RLS S-1746, FOR GRAEF.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE _____

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Oconto Co\040101_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 1/14/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

TRANSPORTATION PROJECT PLAT NO: - 4.02

THAT PART OF THE FRACTIONAL N1/2-NW1/4 OF SECTION 31, T.26N., R.19E., TOWN OF CHASE, OCONTO COUNTY, WISCONSIN.

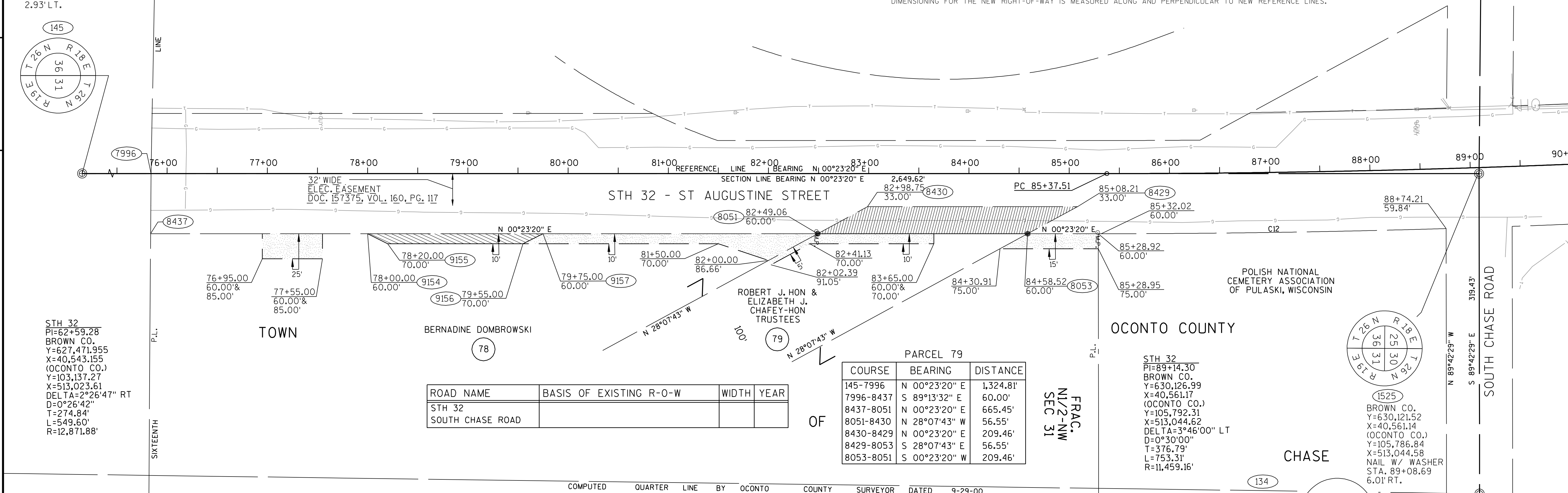
RELOCATION ORDER STH 32 OCONTO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF RECORD.
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES, EXCLUDING RIGHT-OF-WAY LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4.02
AMENDMENT NO:



PARCEL 79

COURSE	BEARING	DISTANCE
145-7996	N 00°23'20" E	1,324.81'
7996-8437	S 89°13'32" E	60.00'
8437-8051	N 00°23'20" E	665.45'
8051-8430	N 28°07'43" W	56.55'
8430-8429	N 00°23'20" E	209.46'
8429-8053	S 28°07'43" E	56.55'
8053-8051	S 00°23'20" W	209.46'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32			
SOUTH CHASE ROAD			

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ. FT.
78	BERNADINE DOMBROSKI	FEE & TLE	1,550	---	1,550	6,184
79	ROBERT J. HON & ELIZABETH J. CHAFEY-HON TRUSTEES	FEE & TLE	---	5,655	5,655	1,449

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C12	343.95'	343.93'	N 00°28'00" W	11,519.16'

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (1" UNLESS NOTED)
R/W MONUMENT (SET)
R/W STANDARD (SET)
SIGN
SECTION CORNER MONUMENT
SECTION CORNER SYMBOL
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
NO ACCESS (BY ACQUISTION)
NO ACCESS (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

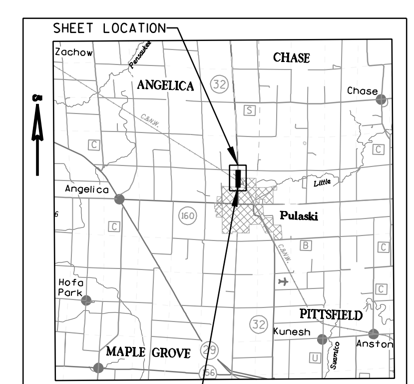
CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

NON COMPENSABLE COMPENSABLE
POWER POLE
TELEPHONE POLE
TELEPHONE PEDESTAL
ELECTRIC TOWER

GN

SCALE, FEET
0 50 100



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I, MICHAEL C. JENSEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPT. OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE: __________ MICHAEL C. JENSEN ______________________
RLS S-1746, FOR GRAEF.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE ---------------- --

TRANSPORTATION PROJECT PLAT NO: - 4.03

THAT PART OF LOTS 1 AND 2 OF CERTIFIED SURVEY MAP #3393, AND PART OF THE SE1/4-NE1/4 OF SECTION 36, T.26N., R.18E., TOWN OF ANGELICA, SHAWANO COUNTY, WISCONSIN.

RELOCATION ORDER STH 32 SHAWANO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

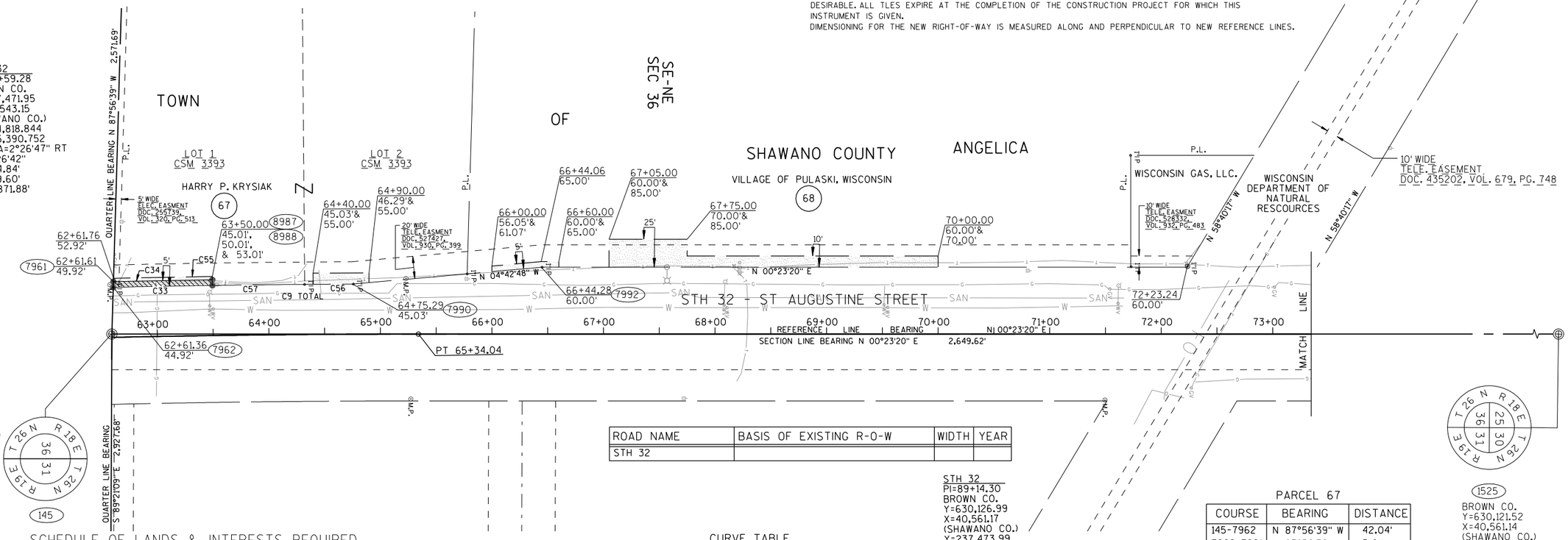
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4.03
AMENDMENT NO:



ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32			

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ. FT.
67	HARRY P. KRYSIAK	FEE & TLE	444	---	444	756
68	VILLAGE OF PULASKI, WISCONSIN	TLE	---	---	---	4,301

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C9	214.69'	214.68'	N 00°22'43" W	11,742.83'
C33	88.95'	88.95'	N 00°41'07" W	11,742.83'
C34	88.74'	88.74'	N 00°41'05" W	11,747.83'
C55	88.61'	88.61'	N 00°41'03" W	11,750.83'
C56	35.42'	35.42'	S 00°03'32" W	11,742.83'
C57	179.27'	179.27'	N 00°27'54" W	11,742.83'

PARCEL 67

COURSE	BEARING	DISTANCE
145-7962	N 87°56'39" W	42.04'
7962-7961	N 87°56'39" W	5.01'
-	C34	-
8987-8988	N 89°34'11" E	5.00'
-	C33	-

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

CURVE DATA

LONG CHORD	LCH	TANGENT	TAN
LONG CHORD BEARING	LCB		
RADIUS	R		
DEGREE OF CURVE	D		
CENTRAL ANGLE OR DELTA	DELTA		
LENGTH OF CURVE	L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (1" UNLESS NOTED)
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER MONUMENT
SECTION CORNER SYMBOL
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT
PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING

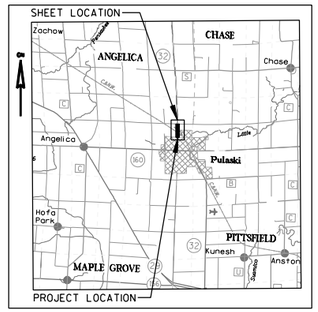
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
NO ACCESS (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES ELECTRIC	OH	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

GN

SCALE, FEET
0 50 100



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920 / 592 9445 fax
www.graef-usa.com

I, MICHAEL C. JENSEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPT. OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT - 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE: _____ MICHAEL C. JENSEN _____
RLS S-1746, FOR GRAEF.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE _____ _____

TRANSPORTATION PROJECT PLAT NO: - 4.04

THAT PART OF THE NE1/4-NE1/4, AND PART OF THE SE1/4-NE1/4 OF SECTION 36, T.26N., R.18E., TOWN OF ANGELICA, SHAWANO COUNTY, WISCONSIN

RELOCATION ORDER STH 32 SHAWANO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

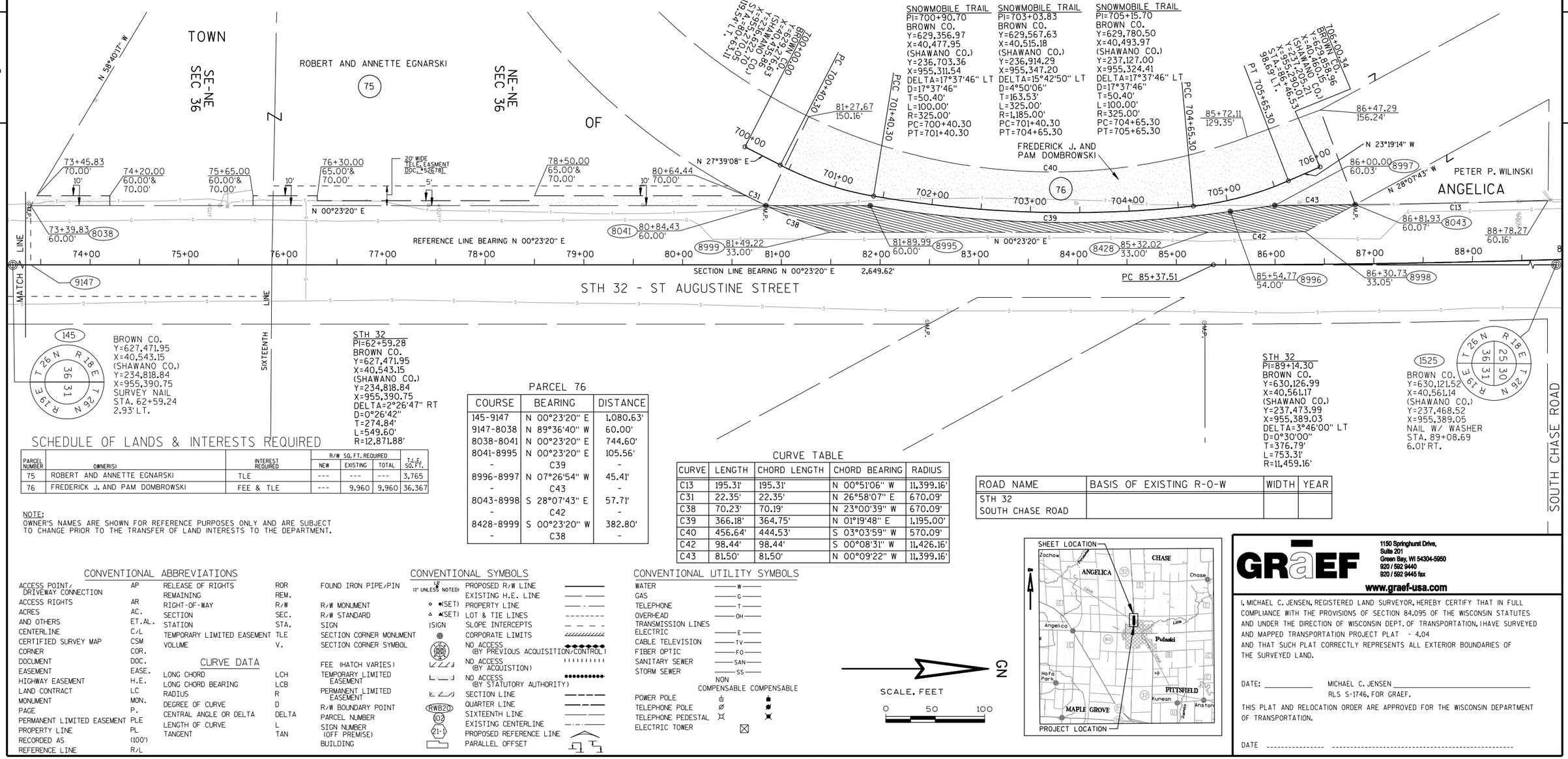
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 4.04
AMENDMENT NO:

4



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ. FT.
75	ROBERT AND ANNETTE EGNARSKI	TLE	---	---	---	3,765
76	FREDERICK J. AND PAM DOMBROWSKI	FEE & TLE	---	9,960	9,960	36,367

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL 76

COURSE	BEARING	DISTANCE
145-9147	N 00°23'20" E	1,080.63'
9147-8038	N 89°36'40" W	60.00'
8038-8041	N 00°23'20" E	744.60'
8041-8995	N 00°23'20" E	105.56'
-	C39	-
8996-8997	N 07°26'54" W	45.41'
-	C43	-
8043-8998	S 28°07'43" E	57.71'
-	C42	-
8428-8999	S 00°23'20" W	382.80'
-	C38	-

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C13	195.31'	195.31'	N 00°51'06" W	11,399.16'
C31	22.35'	22.35'	N 26°58'07" E	670.09'
C38	70.23'	70.19'	N 23°00'39" W	670.09'
C39	366.18'	364.75'	N 01°19'48" E	1,195.00'
C40	456.64'	444.53'	S 03°03'59" W	570.09'
C42	98.44'	98.44'	S 00°08'31" W	11,426.16'
C43	81.50'	81.50'	N 00°09'22" W	11,399.16'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32			
SOUTH CHASE ROAD			

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (1" UNLESS NOTED)
R/W MONUMENT ●(SET)
R/W STANDARD ▲(SET)
SIGN
SECTION CORNER MONUMENT
SECTION CORNER SYMBOL
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
R/W BOUNDARY POINT RWB20
PARCEL NUMBER 102
SIGN NUMBER (OFF PREMISE) 21-1
BUILDING

PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
LOT & TIE LINES
SLOPE INTERCEPTS
CORPORATE LIMITS
NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)
NO ACCESS (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING CENTERLINE
PROPOSED REFERENCE LINE
PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD	OH	
TRANSMISSION LINES		
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

GN
SCALE, FEET
0 50 100

GRAEF
1150 Springhurst Drive, Suite 201
Green Bay, WI 54304-5950
920 / 592 9440
920 / 592 9445 fax
www.graef-usa.com

I, MICHAEL C. JENSEN, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPT. OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT - 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE: _____ MICHAEL C. JENSEN
RLS S-1746, FOR GRAEF.

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

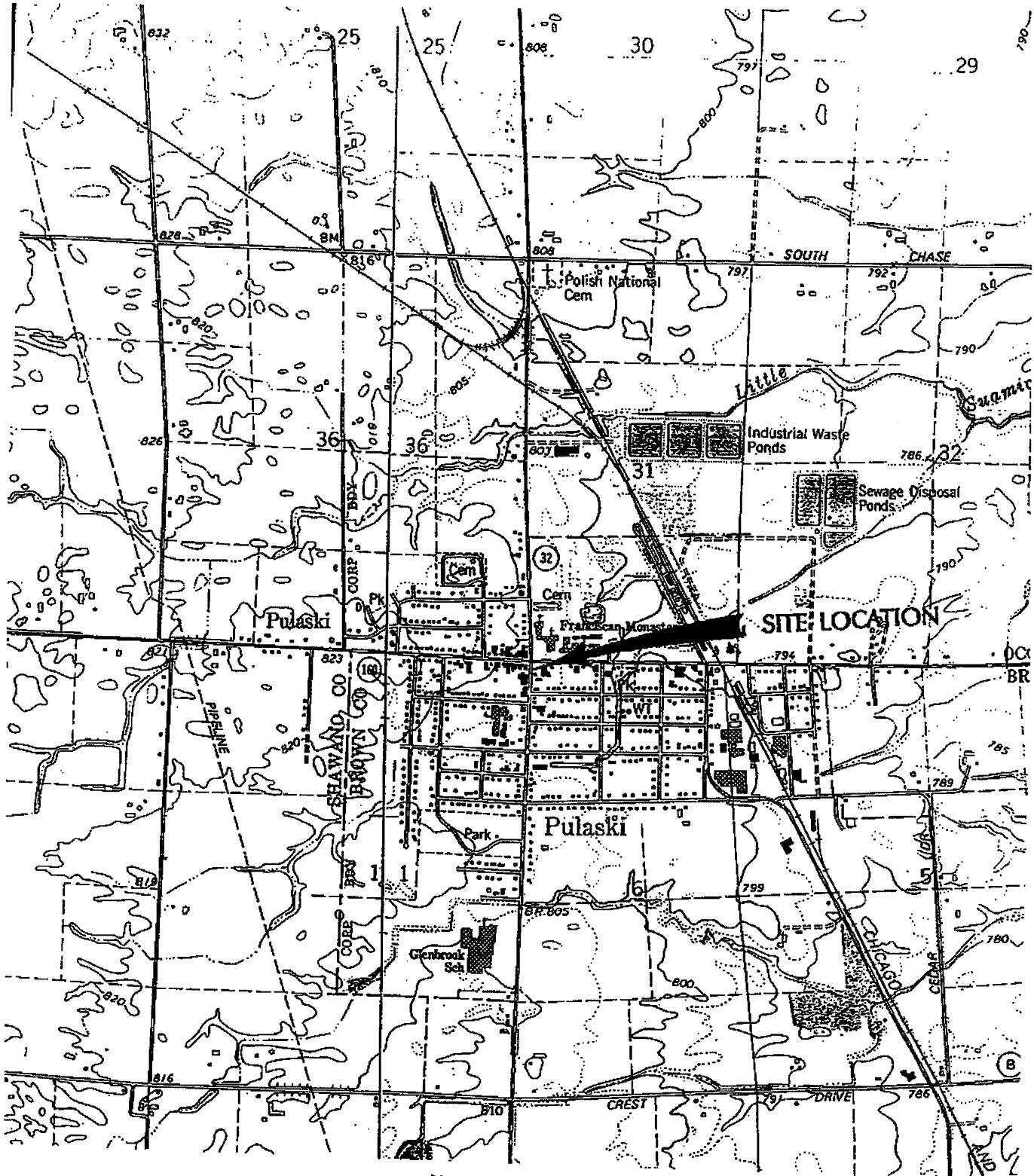
DATE ----------

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Shawano Co\040104_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 1/14/2013
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

Appendix C
Background Information

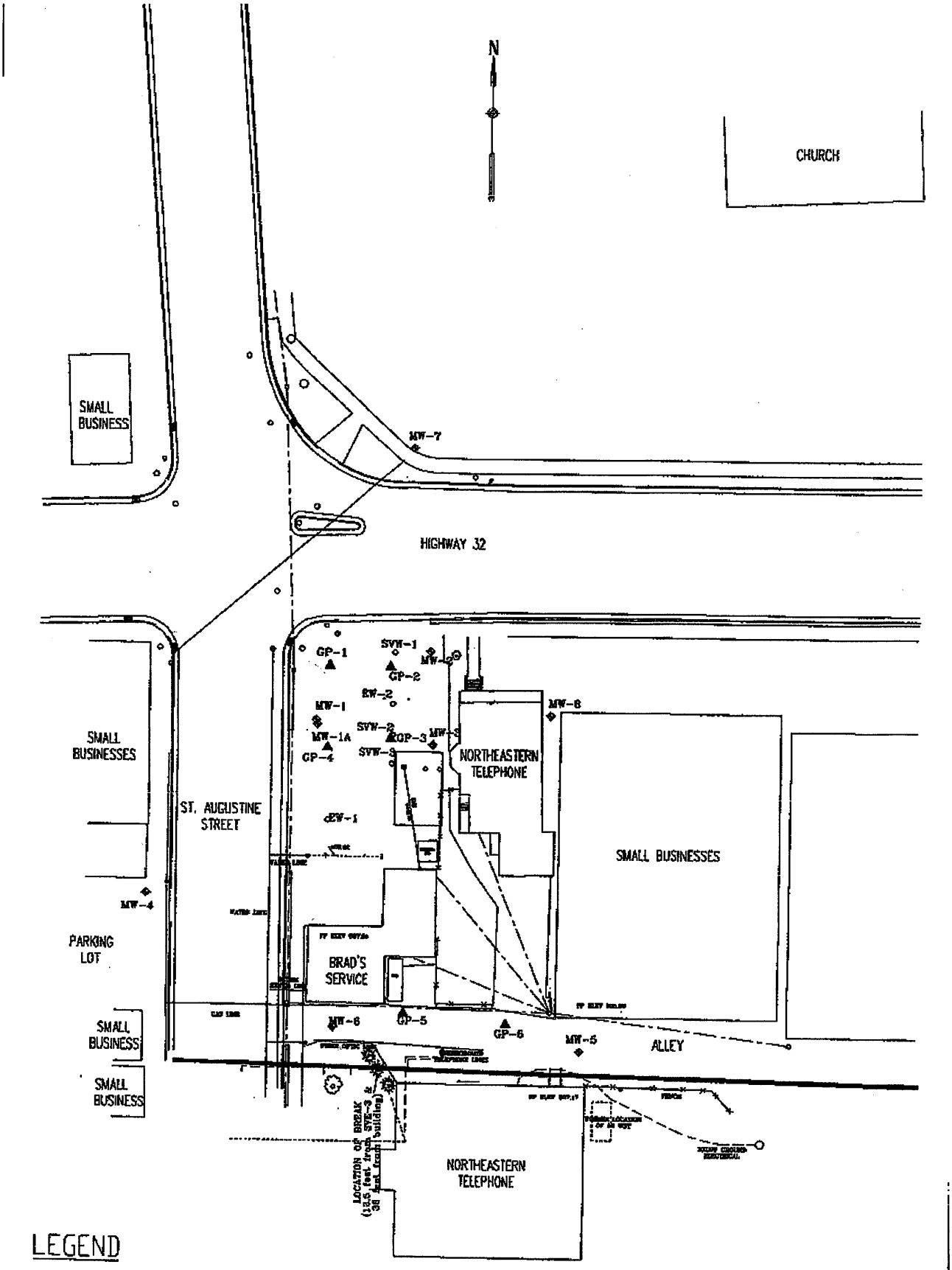
Table of Contents

Site #2
108 S. St. Augustine Street (Brad's Service)



NOTE: Taken from the Pulaski & Zachow, Wis 7.5 Topographic Map (1974)

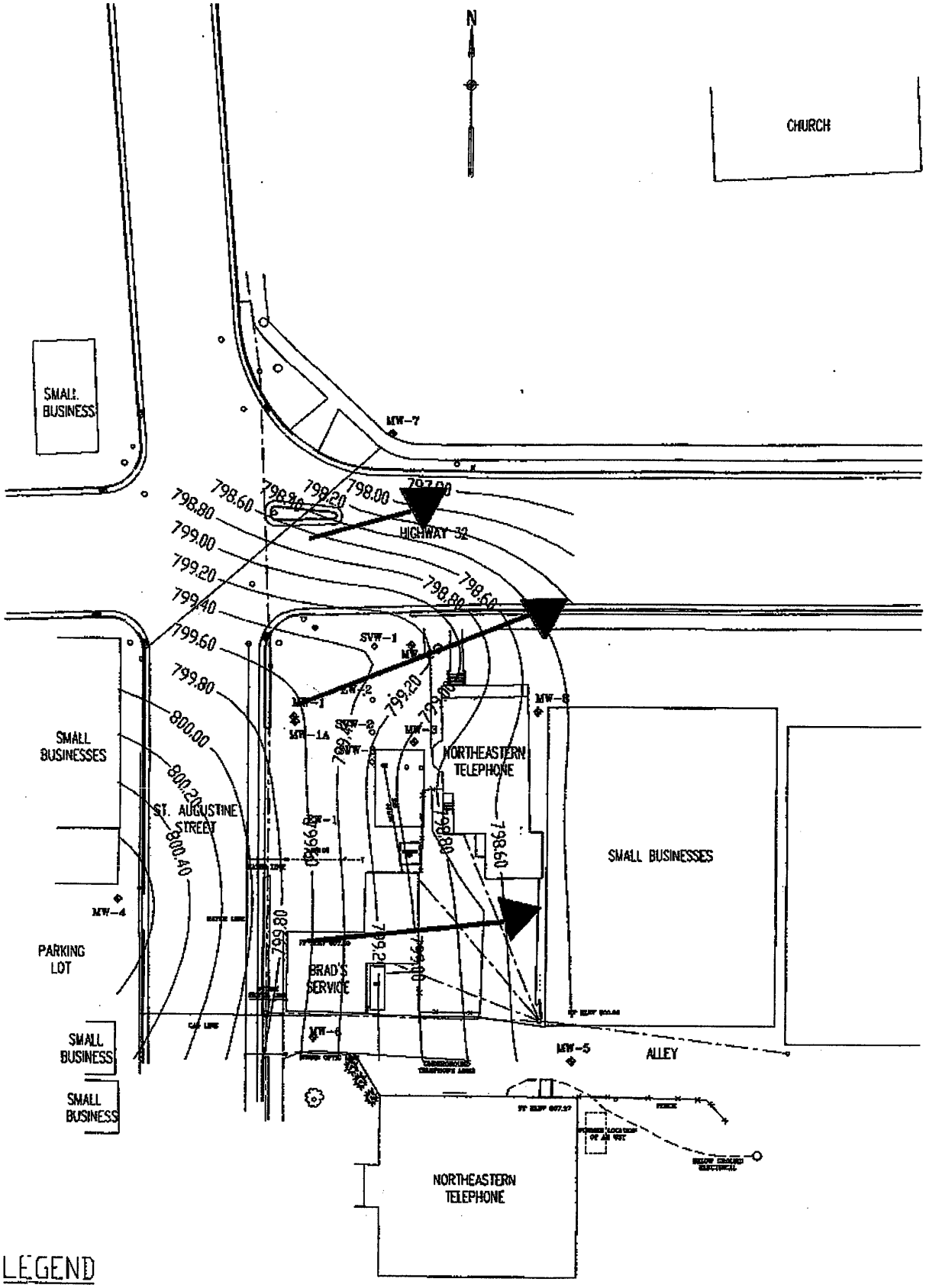
BRAD'S SERVICE – PULASKI, WI	
FIGURE 1	
SITE LOCATION MAP	
SCALE: 1"= 2000'	DATE: 12/22/94
Environmental Compliance Consultants, Inc.	BY: J. RABIDEAU



LEGEND

- OVERHEAD POWER & TELEPHONE
- MONITORING WELL
- SOIL PROBE LOCATION
- STORM SEWER LINE
- GROUNDWATER TRENCH
- SVE LINE

BRAD'S UNION 76 SERVICE – PULASKI, WISCONSIN	
FIGURE 2 SITE PLOT MAP	
SCALE: 1 inch = 70 feet	DATE: MAY 28, 1998
Environmental Compliance Consultants	BY: J Robidoux



LEGEND

OVERHEAD POWER & TELEPHONE

MONITORING WELL

Groundwater Contour (1 foot interval)

BRAD'S UNION 76 SERVICE - PULASKI, WISCONSIN	
Figure 3 Water Table Map (28-Oct-99)	
SCALE: 1 inch = 70 feet	DATE: MAY 28, 1998
Environmental Compliance Consultants	BY: J Robideau

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-1

MW-1 PARAMETERS	31-Aug-93	19-Nov-93	08-Mar-94	31-May-94	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96	15-Apr-96
Benzene	6.7	*1.7*	*1.3*	2	<.6	<.32	<.5	<.11	<.32	<.6
Ethylbenzene	<1	<1	<1	<1	<1	<.34	<1	<.15	<.34	<1
MTBE	4.2	1.8	1.5	3.3	1.3	1.7	<2	0.9	1.4	<1
Toluene	<1	<1	<1	<1	<1	<.27	<2	<.21	<.27	<1
1,2,4-Trimethylbenzene	<1	<1	<1	<1	<1	<.38	<1	<.36	<.25	<1
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	<.25	<1	<.24	<.29	<1
Xylene O	<1	<1	<1	<1	<1	<.29	<1	<.46	<.59	<1
Xylene m+p	<1	<1	<1	<1	<1	<.59	<1	<.86	<.34	<1
Total Xylenes	<2	<2	<2	<2	<2	<.89	<2	<1.32	<.94	<2
Acenaphthalene	na	na	na	<1	<1	<.12	na	na	na	na
Flourathene	na	na	na	<.02	<.02	<.12	na	na	na	
Fluorene	na	na	na	<.10	<.1	<.13	na	na	na	0
1-Methylnaphthalene	na	na	na	<.5	<.5	<.17	na	na	na	
2-Methylnaphthalene	na	na	na	<.5	<1.81	<.20	na	na	na	na
Naphthalene	na	na	na	<.5	<.5	<.13	na	na	na	na
Phenanthrene	na	na	na	<.10	<.1	<.17	na	na	na	na
GRO	<50	<50	<50	na	na	na	na	na	na	na
DRO	<100	<100	<100	na	na	na	na	na	na	na
Pb	<2	<2	*3.4*	<1	na	na	na	na	na	na
										na
Total BETX	6.7	1.7	1.3	2	0	0	0	0	0	na

MW-1 PARAMETERS	10-Sep-96	14-Apr-97	28-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	16-Mar-99	28-Oct-99	
Benzene	<.6	na	<.41	na	na	na	**150**	*1.5*	*4.4*	
Ethylbenzene	<1	na	<.23	na	na	na	3.4	7.4	16	
MTBE	<1	na	0.86	na	na	na	*48*	**86**	*49*	
Toluene	<1	na	<.28	na	na	na	<2.5	0.94	<0.27	
1,2,4-Trimethylbenzene	<1	na	<.3	na	na	na	<5.0	<0.86	<0.22	
1,3,5-Trimethylbenzene	<1	na	<.25	na	na	na	<5.0	<0.54	<0.27	
Xylene O	<1	na	<.28	na	na	na		0.39	<0.24	
Xylene m+p	<1	na	<.51	na	na	na		1.6	<0.43	
Total Xylenes	<2	na	<.79	na	na	na	<2.5	1.99	<0.67	
Naphthalene	na	na	na	na	na	na	na	na	<0.35	
Total BETX	0	na	0	na	na	na	153.4	11.83	20.4	
Temperature (C)	13	na	18.5	14.9	9	7.1	na	na	na	
DO	0.19	na	0.9	3.1	1	0.8	na	na	na	
Iron	56	na	na	na	na	na	na	na	na	
Alkalinity	420	na	na	na	na	na	na	na	na	
Nitrate + Nitrite N	<.05	na	na	na	na	na	na	na	na	
Sulfate	130	na	na	na	na	na	na	na	na	
Conductivity(uS)	1057	na	na	na	na	na	na	na	na	
pH	8.01	na	na	na	na	na	na	na	na	

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-1A

MW-1A PARAMETERS	31-Aug-93	19-Nov-93	08-Mar-94	31-May-94	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96
Benzene	15000	12000	10000	480	6100	8000	6400	3400	4400
Ethylbenzene	1400	2100	1800	90	1100	1500	880	*500*	7200
MTBE	1700	1000	800	86	*58*	240	<40	<130	<69
1,2,4-Trimethylbenzene	1700	1600	1500	28	1000	1300	940	860	3,600
1,3,5-Trimethylbenzene	650	520	500	48	170	170	79	160	1,100
Toluene	2500	3700	2000	*240*	650	360	*180*	*290*	370
Xylene O	640	1200	1100	400	230	460	*150*	<230	400
Xylene m+p	4800	5200	4100	320	1300	2300	<20	750	1000
Total Xylenes	5440	6400	5200	720	1530	2760	*150*	750	1400
Acenaphthalene	na	na	na	<2	<20	<.16	nd	na	na
Fluoranthene	na	na	na	<.04	<.4	0.37	nd	na	na
Fluorene	na	na	na	0.51	2.96	1.9	nd	na	na
1-Methylnaphthalene	na	na	na	1.2	41	70	nd	na	na
2-Methylnaphthalene	na	na	na	1.1	36	110	nd	na	na
Naphthalene	na	na	na	*8.9*	98	220	nd	na	na
Phenanthrene	na	na	na	<.2	<2	<.17	nd	na	na
GRO	34000	36000	35000	na	na	na	nd	na	na
DRO	17000	13000	13000	na	na	na	na	na	na
Pb	*2.7*	*2.3*	*4.4*	<1	na	na	nd	na	na
Total BETX	24340	24200	19000	1530	9380	12620	7610	4940	13370

MW-1A PARAMETERS	16-Apr-96	10-Sep-96	14-Apr-97	25-Aug-97	06-Nov-97	30-Jan-98	09-Apr-98	05-Nov-98	28-Oct-99
Benzene	4300	2300	2700	3700	3100	3400	3200	1800	2100
Ethylbenzene	790	*600*	*640*	960	910	*660*	840	*690*	1200
MTBE	<25	<50	8.4	<13	<5	130	<10	<10	<3.2
1,2,4-Trimethylbenzene	950	820	620	28	710	110	840	670	900
1,3,5-Trimethylbenzene	130	<50	14	850	19	530	210	<50	20
Toluene	450	*160*	*130*	*160*	*160*	<50	*120*	*100*	*170*
Xylene O	590	270	280	520	680				880
Xylene m+p	1400	840	780	1300	1200				1800
Total Xylenes	1990	1110	1060	1820	1880	1300	1700	1500	2680
Naphthalene	na	na	na	na	na	na	na	na	110
Total BETX	7530	4170	4530	6640	6050	5360	5860	4090	6150
Temperature (C)	na	17	na	19	15	8.1	4.2	na	na
DO	na	0.2	na	0.2	0.8	0.7	0.9	na	na
Iron	na	640	na	na	na	na	na	na	na
Alkalinity	na	500	na	na	na	na	na	na	na
Nitrate + Nitrite N	na	1.2	na	na	na	na	na	na	na
Sulfate	na	23	na	na	na	na	na	na	na
Conductivity(uS)	na	1733	na	na	na	na	na	na	na
pH	na	7.59	na	na	na	na	na	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-2

MW-2 PARAMETERS	31-Aug-93	19-Nov-93	08-Mar-94	31-May-94	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96
Benzene	**2300**	**1700**	**2400**	**14000**	**1600**	**2100**	**1500**	**1500**	na
Ethylbenzene	**3300**	**3100**	**2800**	**1900**	**2800**	**3200**	**2100**	**2900**	na
MTBE	**190**	**95**	*44*	**560**	<25	<28	<40	<26	na
Toluene	**4100**	**2400**	**1800**	**1800**	**1100**	**2000**	**530**	**760**	na
1,2,4-Trimethylbenzene	**1600**	**1800**	**1700**	**1500**	**1900**	**2500**	**1800**	**2200**	na
1,3,5-Trimethylbenzene	**130**	**120**	**690**	**470**	**310**	**480**	**310**	**460**	na
Xylene O	**490**	**480**	**430**	**1700**	**500**	**1000**	**410**	**690**	na
Xylene m+p	**5300**	**5400**	**4800**	**5500**	**6100**	**7300**	**4400**	**8300**	na
Total Xylenes	**5790**	**5880**	**5230**	**7200**	**6600**	**8300**	**4810**	**8990**	na
Acenaphthalene	na	na	na	<20	<20	<.16	na	na	na
Flouranthene	na	na	na	<.40	<.4	<.12	na	na	na
Fluorene	na	na	na	5.46	3.06	0.55	na	na	na
1-Methylnaphthalene	na	na	na	68	63	51	na	na	na
2-Methylnaphthalene	na	na	na	51	45	61	na	na	na
Naphthalene	na	na	na	**160**	**180**	**250**	na	na	na
Phenanthrene	na	na	na	<2	<2	<.17	na	na	na
GRO	22000	34000	27000	na	na	na	na	na	na
DRO	9400	6700	6400	na	na	na	na	na	na
Pb	<2	<2	<2	4	na	na	na	na	na
Total BETX	11390	10680	10430	23100	11000	13600	8410	13390	na

MW-2 PARAMETERS	16-Apr-96	10-Sep-96	14-Apr-97	26-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	26-Oct-99
Benzene	**1300**	**860**	**1100**	**820**	**620**	**2800**	**720**	**1100**	**1500**
Ethylbenzene	**2400**	**2700**	**2500**	**2500**	**2000**	**700**	**2000**	**2000**	**2300**
MTBE	<25	<25	*44*	<13	<5	<5	*53*	<10	<6.4
Toluene	**510**	*99*	*89*	32	53	30	53	*86*	*110*
1,2,4-Trimethylbenzene	**1900**	**2400**	**2200**	**19**	**1600**	**550**	**1900**	**1600**	**2000**
1,3,5-Trimethylbenzene	**330**	**170**	**38**	**2500**	**30**	**78**	**320**	**120**	**110**
Xylene O	**540**	**84**	**120**	**43**	**76**				**580**
Xylene m+p	**4600**	**2600**	**2100**	**950**	**690**				**1900**
Total Xylenes	**5140**	**2684**	**2220**	**993**	**766**	*470*	**1300**	**1700**	**2480**
Naphthalene	na	na	na	na	na	na	na	na	**110**
Total BETX	8840	6244	5820	4313	3386	3970	4020	4800	6390
Temperature (C)	na	17	na	16.8	13.1	6.8	6	na	na
DO	na	0.21	na	0.2	1	1.1	1.9	na	na
Iron	na	3100	na	na	na	na	na	na	na
Alkalinity	na	570	na	na	na	na	na	na	na
Nitrate + Nitrite N	na	<.05	na	na	na	na	na	na	na
Sulfate	na	<10	na	na	na	na	na	na	na
Conductivity(uS)	na	1057	na	na	na	na	na	na	na
pH	na	7.53	na	na	na	na	na	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-3

MW-3 PARAMETERS	31-Aug-93	19-Nov-93	08-Mar-94	31-May-94	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96
Benzene	**400**	**480**	**510**	**2300**	**460**	**640**	**400**	**520**	**400**
Ethylbenzene	**890**	**1400**	*670*	**4000**	**1200**	**2100**	**1800**	**2000**	**1600**
MTBE	*46*	*46*	**65**	*51*	<10	<28	<40	<26	<28
Toluene	67	*190*	*140*	**570**	**710**	**500**	*130*	**950**	*290*
1,2,4-Trimethylbenzene	*170*	**420**	*140*	**2700**	**550**	**920**	**1100**	**740**	**850**
1,3,5-Trimethylbenzene	*82*	**100**	*53*	**250**	**210**	**220**	**390**	**420**	**270**
Xylene O	*5.7*	**36**	**99**	*260*	**610**	**600**	**210**	**770**	**240**
Xylene m+p	*490*	**830**	**590**	**7600**	**1900**	**2800**	**2100**	**2900**	**1600**
Total Xylenes	*495.7*	**866**	**689**	**7860**	**2510**	**3400**	**2310**	**3670**	**1840**
Acenaphthalene	na	na	na	<10	<20	0.46	na	na	na
Flourathene	na	na	na	<.40	<.4	<.12	na	na	na
Fluorene	na	na	na	2.78	2.45	0.29	na	na	na
1-Methylnaphthalene	na	na	na	48	22	43	na	na	na
2-Methylnaphthalene	na	na	na	33	17	46	na	na	na
Naphthalene	na	na	na	**150**	**42**	**100**	na	na	na
Phenanthrene	na	na	na	<2	<2	0.21	na	na	na
GRO	4200	7400	6200	na	na	na	na	na	na
DRO	2900	3200	3500	na	na	na	na	na	na
Pb	<2	3.4	<2	<1	na	na	na	na	na
Total BETX	1852.7	2936	2009	14730	4880	6640	4640	7140	4130

MW-3 PARAMETERS	16-Apr-96	10-Sep-96	14-Apr-97	28-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	26-Oct-99
Benzene	**240**	**170**	**13**	**69**	**74**	**160**	**62**	**58**	**19**
Ethylbenzene	**1700**	**1400**	*460*	**2000**	**2300**	**1700**	**1700**	**1400**	**1400**
MTBE	<25	<50	7.4	<13	<11	**390**	**<10**	<10	<3.2
Toluene	*120*	**420**	*46*	56	*120*	*97*	*80*	26	30
1,2,4-Trimethylbenzene	**670**	**660**	*270*	**170**	**1600**	**1200**	**1300**	**610**	**840**
1,3,5-Trimethylbenzene	**240**	**190**	*93*	**1300**	**97**	**110**	**54**	**<50**	**68**
Xylene O	**57**	**330**	**65**	**42**	**79**				31
Xylene m+p	**1700**	**2100**	**680**	**2100**	**2400**				630
Total Xylenes	**1757**	**2430**	**745**	**2142**	**2479**	**2200**	**2000**	**620**	**661**
Naphthalene	na	na	na	na	na	na	na	na	**89**
Total BETX	3817	4420	1264	4267	4973	4157	3842	2104	2110
Temperature (C)	na	15	na	16.5	12.4	7.7	6.5	na	na
DO	na	0.23	na	0.4	1.1	0.8	1.4	na	na
Iron	na	2700	na	na	na	na	na	na	na
Alkalinity	na	740	na	na	na	na	na	na	na
Nitrate + Nitrite N	na	<.05	na	na	na	na	na	na	na
Sulfate	na	21	na	na	na	na	na	na	na
Conductivity(uS)	na	1225	na	na	na	na	na	na	na
pH	na	7.59	na	na	na	na	na	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-4

MW-4 PARAMETERS	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96	16-Apr-96	19-Sep-96
Benzene	<1	<.32	<.5	<.11	<.32	<.6	<.6
Ethylbenzene	<1	<.34	<1	<.15	<.34	<1	<1
MTBE	<1	<.28	<2	<.26	<.28	<1	<1
Toluene	<1	<.27	<2	<.21	<.27	<1	<1
1,2,4-Trimethylbenzene	<1	<.38	<1	<.36	<.38	<1	<1
1,3,5-Trimethylbenzene	<1	<.25	<1	<.24	<.25	<1	<1
Xylene O	<1	<.29	<1	<.46	<.29	<1	<1
Xylene m+p	<1	<.59	<1	<.86	<.59	<1	<1
Total Xylenes	<2	<.88	<2	<1.32	<.88	<2	<2
Acenaphthalene	<1	<.16	na	na	na	na	na
Flourathene	<.02	<.12	na	na	na	na	na
Fluorene	<.1	<.13	na	na	na	na	na
1-Methylnaphthalene	<.5	<.17	na	na	na	na	na
2-Methylnaphthalene	<.5	<.20	na	na	na	na	na
Naphthalene	<.5	<.13	na	na	na	na	na
Phenanthrene	<.1	<.17	na	na	na	na	na
GRO	na	na	na	na	na	na	na
DRO	na	na	na	na	na	na	na
Pb	<2	nd	na	na	na	na	na
Total BETX	0	0	0	0	0	0	0
Temperature (C)	na	na	na	na	na	na	15.5
DO	na	na	na	na	na	na	0.98
Iron	na	na	na	na	na	na	<20
Alkalinity	na	na	na	na	na	na	530
Nitrate + Nitrite N	na	na	na	na	na	na	2.2
Sulfate	na	na	na	na	na	na	280
Nitrate + Nitrite N	na	na	na	na	na	na	2.2
Conductivity(uS)	na	na	na	na	na	na	1580
pH	na	na	na	na	na	na	7.89

MW-4 PARAMETERS	28-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	28-Oct-99	
Benzene	<.41	na	na	na	<.50	<0.27	
Ethylbenzene	<.23	na	na	na	<.50	<0.32	
MTBE	<.53	na	na	na	<.20	<0.32	
Toluene	<.53	na	na	na	<.50	<0.27	
1,2,4-Trimethylbenzene	<.28	na	na	na	<1.0	<0.22	
1,3,5-Trimethylbenzene	<.25	na	na	na	<1.0	<0.27	
Xylene O	<.28	na	na	na		<0.24	
Xylene m+p	<.51	na	na	na		<0.43	
Total Xylenes	<.79	na	na	na	<.50	<0.67	
Naphthalene	na	na	na	na	na	<0.35	
Total BETX	0	na	na	na	0	0	
Temperature (C)	19	15	10.4	8.9	na	na	
DO	1.3	3.6	5.3	3.5	na	na	
Iron	na	na	na	na	na	na	
Alkalinity	na	na	na	na	na	na	
Nitrate + Nitrite N	na	na	na	na	na	na	
Sulfate	na	na	na	na	na	na	
Nitrate + Nitrite N	na	na	na	na	na	na	
Conductivity(uS)	na	na	na	na	na	na	
pH	na	na	na	na	na	na	

na = not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-5

MW-5 PARAMETERS	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96	16-Apr-96	10-Sep-96
Benzene	<1	<.32	<.5	0.2	<.32	<.6	<.6
Ethylbenzene	<1	<.34	<1	<.15	<.34	<1	<1
MTBE	1.9	2.2	<2	1.7	1.2	<1	<1
Toluene	<1	<.27	<2	<.21	<.27	<1	1.4
1,2,4-Trimethylbenzene	<1	<.38	<1	<.21	<.25	<1	<1
1,3,5-Trimethylbenzene	<1	<.25	<1	<.36	<.29	<1	<1
Xylene O	<1	<.29	<1	<.46	<.29	<1	<1
Xylene m+p	<1	<.59	<1	<.86	<.59	<1	<1
Total Xylenes	<2	<.88	<2	<1.32	<.88	<2	<2
Chloroform	35	na	na	na	na	na	na
1,2-Dichloroethane	2.3	na	na	na	na	na	na
cis-1,2-DCE	62	na	na	na	na	na	na
trans-1,2-DCE	5.3	na	na	na	na	na	na
Methylene Chloride	3.7	na	na	na	na	na	na
Tetrachloroethene	3.4	na	na	na	na	na	na
Trichloroethene	5.6	na	na	na	na	na	na
Naphthalene	0.41	<.13	na	na	na	na	na
Total BETX	0	0	0	0.2	0	0	1.4
Temperature (C)	na	na	na	na	na	na	17.1
DO	na	na	na	na	na	na	0.2
Iron	na	na	na	na	na	na	52
Alkalinity	na	na	na	na	na	na	660
Nitrate + Nitrite N	na	na	na	na	na	na	1
Sulfate	na	na	na	na	na	na	350
Conductivity(mS)	na	na	na	na	na	na	12.05
pH	na	na	na	na	na	na	7.46
MW-5 PARAMETERS	14-Apr-97	28-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	28-Oct-99
Benzene	na	<.41	na	na	na	<.50	<0.27
Ethylbenzene	na	<.23	na	na	na	<.50	<0.32
MTBE	na	<.53	na	na	na	<.20	0.65
Toluene	na	<.28	na	na	na	<.50	<0.27
1,2,4-Trimethylbenzene	na	<.30	na	na	na	<1.0	<0.22
1,3,5-Trimethylbenzene	na	<.25	na	na	na	<1.0	<0.27
Xylene O	na	<.51	na	na	na		<0.24
Xylene m+p	na	<.28	na	na	na		<0.43
Total Xylenes	na	<.79	na	na	na	<.50	<0.67
Chloroform	na	na	na	na	na	3	6.6
1,2-Dichloroethane	na	na	na	na	na	<.50	<0.37
cis-1,2-DCE	na	na	na	na	na	14	27
trans-1,2-DCE	na	na	na	na	na	1.9	2.8
Methylene Chloride	na	na	na	na	na	1.7A	<0.36
Tetrachloroethene	na	na	na	na	na	3.8	2.6
Trichloroethene	na	na	na	na	na	4.5	5.2
Naphthalene	na	na	na	na	na	<8.0	<0.35
Total BETX	na	0	na	na	na	0	0
Temperature (C)	na	20	16	10.9	9	na	na
DO	na	0.3	2.2	3.4	2.6	na	na
Iron	na	na	na	na	na	na	na
Alkalinity	na	na	na	na	na	na	na
Nitrate + Nitrite N	na	na	na	na	na	na	na
Sulfate	na	na	na	na	na	na	na
Conductivity(mS)	na	na	na	na	na	na	na
pH	na	na	na	na	na	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

A = Laboratory Director - concentrations found of this analyte are characteristic of laboratory artifact

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-6

MW-6 PARAMETERS	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96	16-Apr-96	10-Sep-96
Benzene	<1	<.32	<.5	<.11	<.32	<.6	<.6
Ethylbenzene	<1	<.34	<1	<.15	<.34	<1	<1
MTBE	<1	<.28	<2	<.26	<.28	<1	<1
Toluene	<1	<.27	<2	<.21	<.27	<1	<1
1,2,4-Trimethylbenzene	<1	<.38	<1	<.36	<.25	<1	<1
1,3,5-Trimethylbenzene	<1	<.25	<1	<.24	<.29	<1	<1
Xylene O	<1	<.29	<1	<.46	<.29	<1	<1
Xylene m+p	<1	<.59	<1	<.86	<.59	<1	<1
Total Xylenes	<2	<.88	<2	<1.32	<.88	<2	<2
Acenaphthalene	<1	<.16	na	na	na	na	na
Flourathene	<.02	<.12	na	na	na	na	na
Fluorene	<.1	<.13	na	na	na	na	na
1-Methylnaphthalene	<.5	<.17	na	na	na	na	na
2-Methylnaphthalene	<.5	<.20	na	na	na	na	na
Naphthalene	<.5	<.13	na	na	na	na	na
Phenanthrene	<.1	<.17	na	na	na	na	na
GRO	na	na	na	na	na	na	na
DRO	na	na	na	na	na	na	na
Pb	<2	nd	na	na	na	na	na
Total BETX	0	0	0	0	0	0	0
Temperature (C)	na	na	na	na	na	na	15.1
DO	na	na	na	na	na	na	0.5
Iron	na	na	na	na	na	na	<20
Alkalinity	na	na	na	na	na	na	680
Nitrate + Nitrite N	na	na	na	na	na	na	4.5
Sulfate	na	na	na	na	na	na	140
Conductivity(mS)	na	na	na	na	na	na	9.49
pH	na	na	na	na	na	na	7.4

MW-6 PARAMETERS	14-Apr-97	28-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	28-Oct-99
Benzene	na	<.41	na	na	na	<.50	<0.27
Ethylbenzene	na	<.23	na	na	na	<.50	<0.32
MTBE	na	<.53	na	na	na	<.20	<0.32
Toluene	na	<.28	na	na	na	<.50	<0.27
1,2,4-Trimethylbenzene	na	<.30	na	na	na	<1.0	<0.22
1,3,5-Trimethylbenzene	na	<.25	na	na	na	<1.0	<0.27
Xylene O	na	<.28	na	na	na		<0.24
Xylene m+p	na	<.51	na	na	na		<0.43
Total Xylenes	na	<.79	na	na	na	<.50	<0.67
Naphthalene	na	na	na	na	na	<8.0	<0.35
Total BETX	na	0	na	na	na	0	0
Temperature (C)	na	17	13.4	7.9	7	na	na
DO	na	0.2	1.9	2	1	na	na
Iron	na	na	na	na	na	na	na
Alkalinity	na	na	na	na	na	na	na
Nitrate + Nitrite N	na	na	na	na	na	na	na
Sulfate	na	na	na	na	na	na	na
Conductivity(mS)	na	na	na	na	na	na	na
pH	na	na	na	na	na	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

TABLE 1
GROUNDWATER ANALYTICAL RESULTS - MW-7

MW-7 PARAMETERS	02-Dec-94	21-Mar-95	21-Jun-95	26-Sep-95	11-Jan-96	16-Apr-96	10-Sep-96
Benzene	<1	<.32	<.5	<.11	<.32	<.6	<.6
Ethylbenzene	<1	<.34	<1	<.15	<.34	<1	<1
MTBE	<1	<.28	<2	<.26	<.28	<1	<1
Toluene	<1	<.27	<2	<.21	<.27	<1	<1
1,2,4-Trimethylbenzene	<1	<.38	<1	<.36	<.38	<1	<1
1,3,5-Trimethylbenzene	<1	<.25	<1	<.24	<.25	<1	<1
Xylene O	<1	<.29	<1	<.46	<.29	<1	<1
Xylene m+p	<1	<.59	<1	<.86	<.59	<1	<1
Total Xylenes	<2	<.88	<2	<1.32	<.88	<2	<2
Acenaphthalene	<1	<.16	na	na	na	na	na
Flourathene	<.02	<.12	na	na	na	na	na
Fluorene	<.1	<.13	na	na	na	na	na
1-Methylnaphthalene	<.5	0.64	na	na	na	na	na
2-Methylnaphthalene	<.5	0.44	na	na	na	na	na
Naphthalene	<.5	0.52	na	na	na	na	na
Phenanthrene	<.1	<.17	na	na	na	na	na
GRO	na	na	na	na	na	na	na
DRO	na	na	na	na	na	na	na
Pb	<2	na	na	na	na	na	na
Total BETX	0	0	0	0	0	0	0
Temperature (C)	na	na	na	na	na	na	15.1
DO	na	na	na	na	na	na	0.4
Iron	na	na	na	na	na	na	32
Alkalinity	na	na	na	na	na	na	450
Nitrate + Nitrite N	na	na	na	na	na	na	3.3
Sulfate	na	na	na	na	na	na	880
Conductivity(mS)	na	na	na	na	na	na	1157
pH	na	na	na	na	na	na	7.38

MW-7 PARAMETERS	14-Apr-97	28-Aug-97	06-Nov-97	30-Jan-98	08-Apr-98	05-Nov-98	28-Oct-99
Benzene	na	<.41	na	na	na	<.50	<0.27
Ethylbenzene	na	<.23	na	na	na	<.50	<0.32
MTBE	na	<.53	na	na	na	<.20	<0.32
Toluene	na	<.28	na	na	na	<.50	<0.27
1,2,4-Trimethylbenzene	na	<.30	na	na	na	<1.0	<0.22
1,3,5-Trimethylbenzene	na	<.25	na	na	na	<1.0	<0.27
Xylene O	na	<.28	na	na	na		<0.24
Xylene m+p	na	<.51	na	na	na		<0.43
Total Xylenes	na	<.79	na	na	na	<.50	<0.67
Naphthalene	na	na	na	na	na	na	<0.35
Total BETX	na	0	na	na	na	0	0
Temperature (C)	na	16	12.5	6.5	6.2	na	na
DO	na	2.8	6.6	6.6	9.1	na	na
Iron	na	na	na	na	na	na	na
Alkalinity	na	na	na	na	na	na	na
Nitrate + Nitrite N	na	na	na	na	na	na	na
Sulfate	na	na	na	na	na	na	na
Conductivity(mS)	na	na	na	na	na	na	na
pH	na	na	na	na	na	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence Italicized type indicates PAL exceedence

TABLE 1

GROUNDWATER ANALYTICAL RESULTS - MW-8

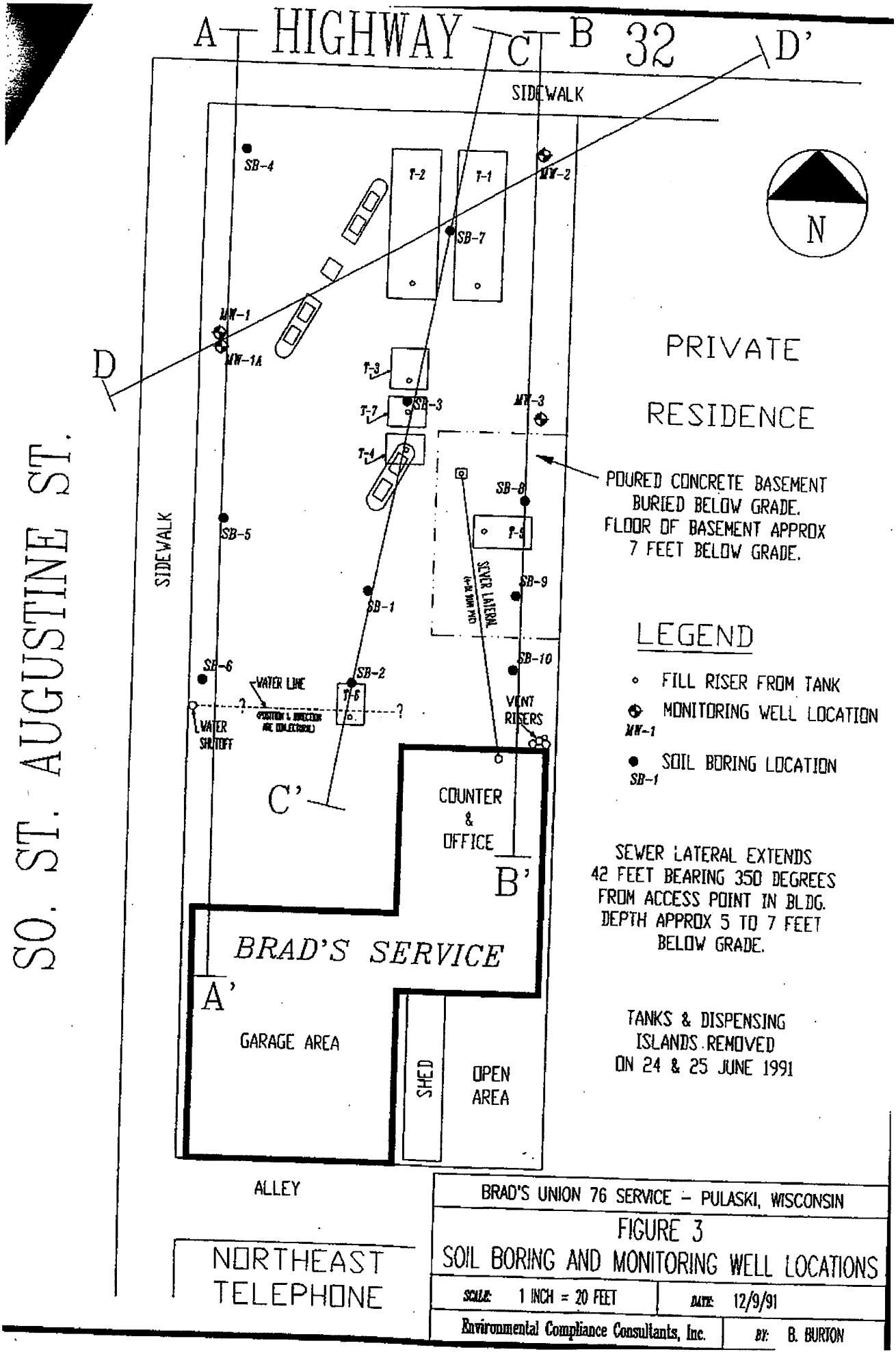
MW-8 PARAMETERS	05-Nov-98	28-Oct-99
Benzene	<.50	<0.27
Ethylbenzene	<.50	<0.32
MTBE	<.20	<0.32
Toluene	<.50	<0.27
1,2,4-Trimethylbenzene	<1.0	<0.22
1,3,5-Trimethylbenzene	<1.0	<0.27
Xylene O		<0.24
Xylene m+p		<0.43
Total Xylenes	<.50	<0.67
Naphthalene	na	<0.35
Total BETX	0	0
Temperature (C)	na	na
DO	na	na
Iron	na	na
Alkalinity	na	na
Nitrate + Nitrite N	na	na
Sulfate	na	na
Conductivity(mS)	na	na
pH	na	na

na= Not analyzed

All Results in ppb except conductivity (mmho), temperature (C), pH and NA parameters (ppm)

Bold type indicates ES exceedence

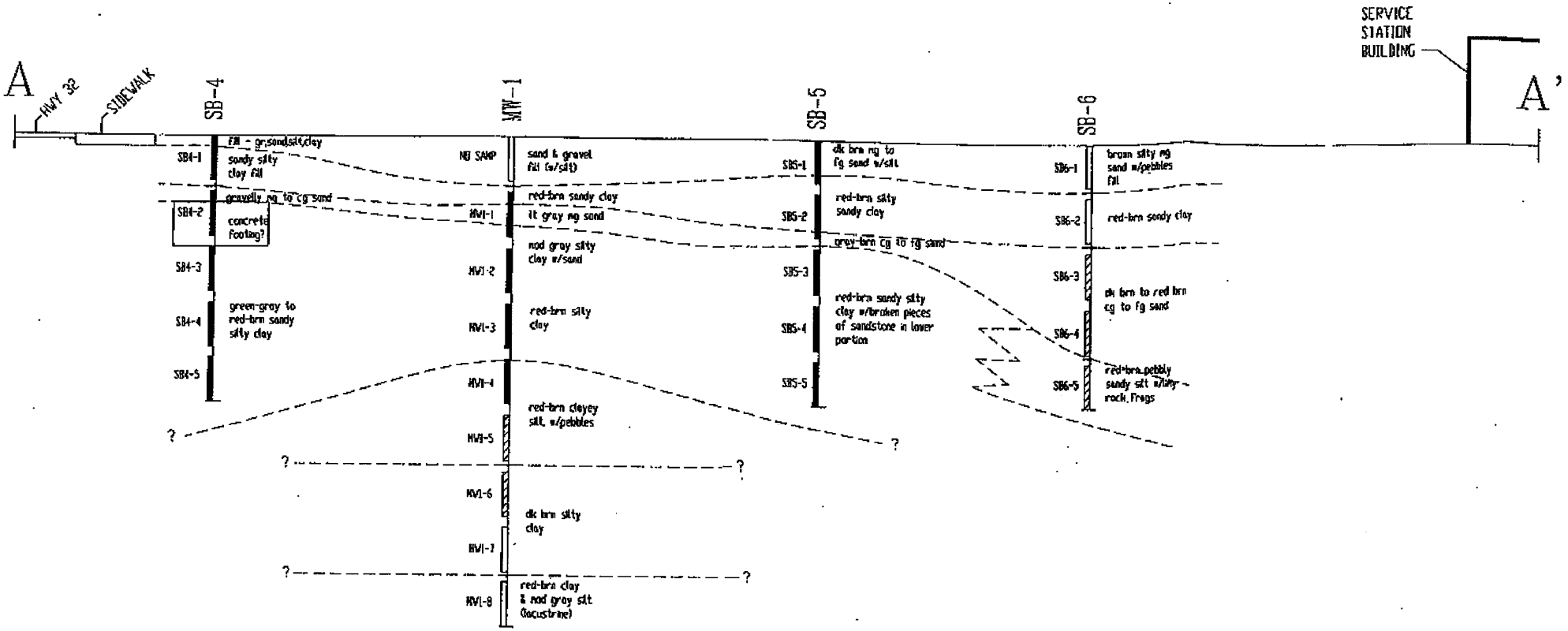
Italicized type indicates PAL exceedence



BRAD'S UNION 76 SERVICE – PULASKI, WISCONSIN

FIGURE 3
SOIL BORING AND MONITORING WELL LOCATIONS

SCALE: 1 INCH = 20 FEET	DATE: 12/9/91
Environmental Compliance Consultants, Inc.	BY: B. BURTON



LEGEND

- SOIL SAMPLE INDICATES SEVERE PRODUCT CONTAMINATION (MORE THAN 100 MG/KG OR PID UNITS)
- SOIL SAMPLE INDICATES SLIGHT TO MODERATE PRODUCT CONTAMINATION (11 TO 100 MG/KG OR PID UNITS)
- SOIL SAMPLE INDICATES LITTLE OR NO PRODUCT CONTAMINATION (0 TO 10 MG/KG OR PID UNITS)

GRAPHIC SCALE

1 INCH = 10 FEET

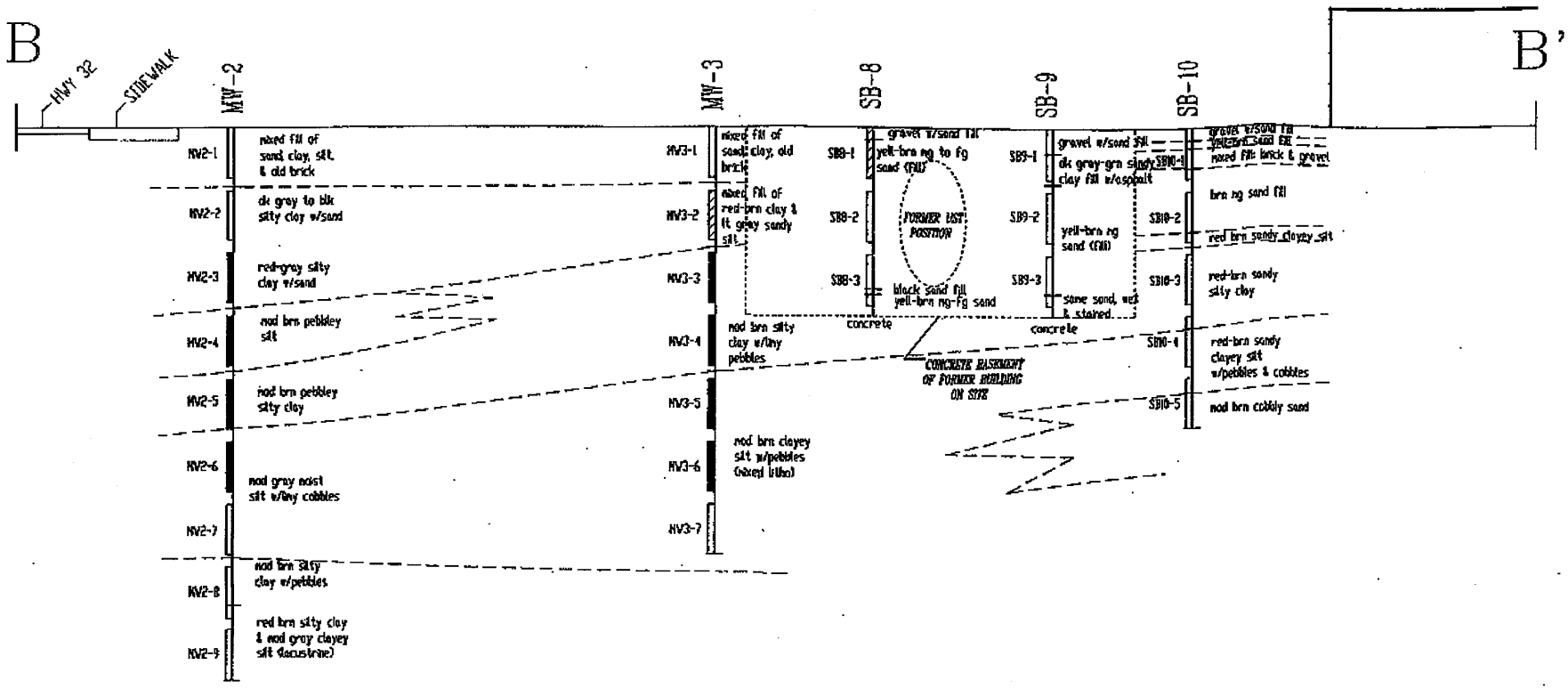
1 INCH = 5 FEET

BRAD'S UNION 76 SERVICE - PULASKI, WISCONSIN

FIGURE 4
CROSS-SECTION A - A'

SCALE: SEE GRAPHIC SCALE | DATE: 1/1/92

Environmental Compliance Consultants | BY: B. BURTON



LEGEND

- SOIL SAMPLE INDICATES SEVERE PRODUCT CONTAMINATION (MORE THAN 100 MG/KG OR PID UNITS)
- SOIL SAMPLE INDICATES SLIGHT TO MODERATE PRODUCT CONTAMINATION (11 TO 100 MG/KG OR PID UNITS)
- SOIL SAMPLE INDICATES LITTLE OR NO PRODUCT CONTAMINATION (0 TO 10 MG/KG OR PID UNITS)

GRAPHIC SCALE

1 INCH = 10 FEET

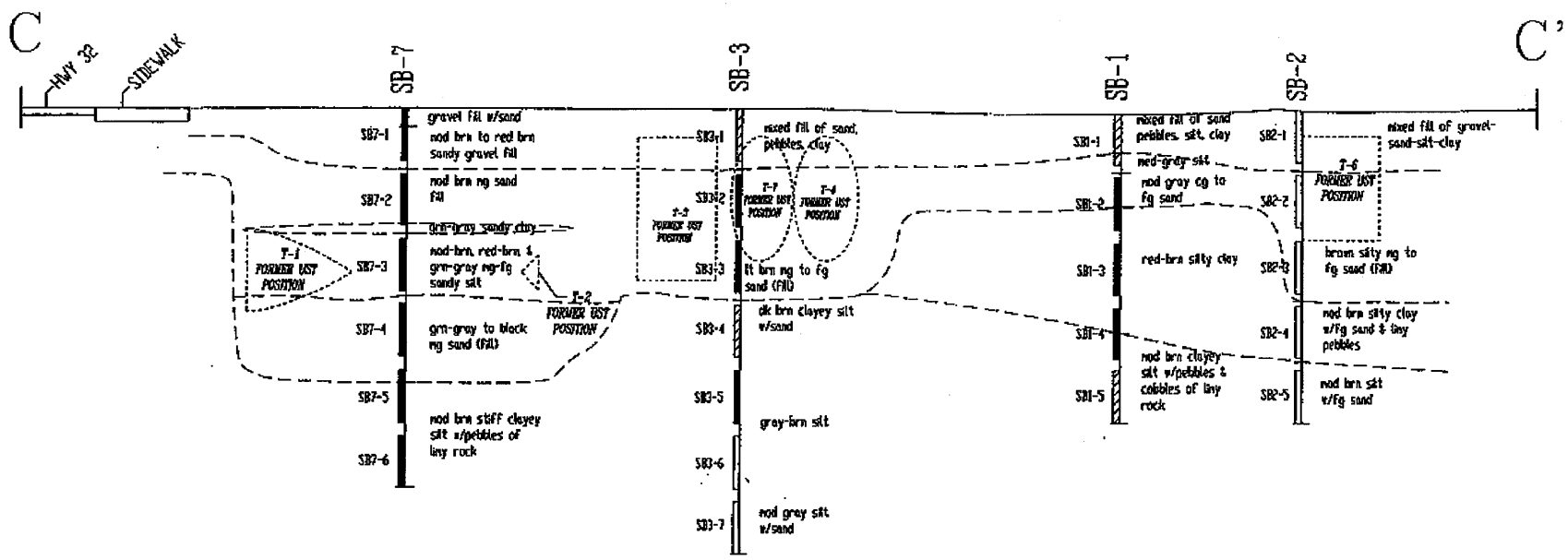
1 INCH = 5 FEET

BRAD'S UNION 76 SERVICE - PULASKI, WISCONSIN

FIGURE 5
CROSS-SECTION B - B'

SCALE: SEE GRAPHIC SCALE | DATE: 1/1/92

Environmental Compliance Consultants | BY: B. BURTON



LEGEND

- SOIL SAMPLE INDICATES SEVERE PRODUCT CONTAMINATION (MORE THAN 100 MG/KG OR PID UNITS)
- SOIL SAMPLE INDICATES SLIGHT TO MODERATE PRODUCT CONTAMINATION (10 TO 100 MG/KG OR PID UNITS)
- SOIL SAMPLE INDICATES LITTLE OR NO PRODUCT CONTAMINATION (0 TO 10 MG/KG OR PID UNITS)

GRAPHIC SCALE

1 INCH = 10 FEET

1 INCH = 5 FEET

BRAD'S UNION 76 SERVICE - PULASKI, WISCONSIN

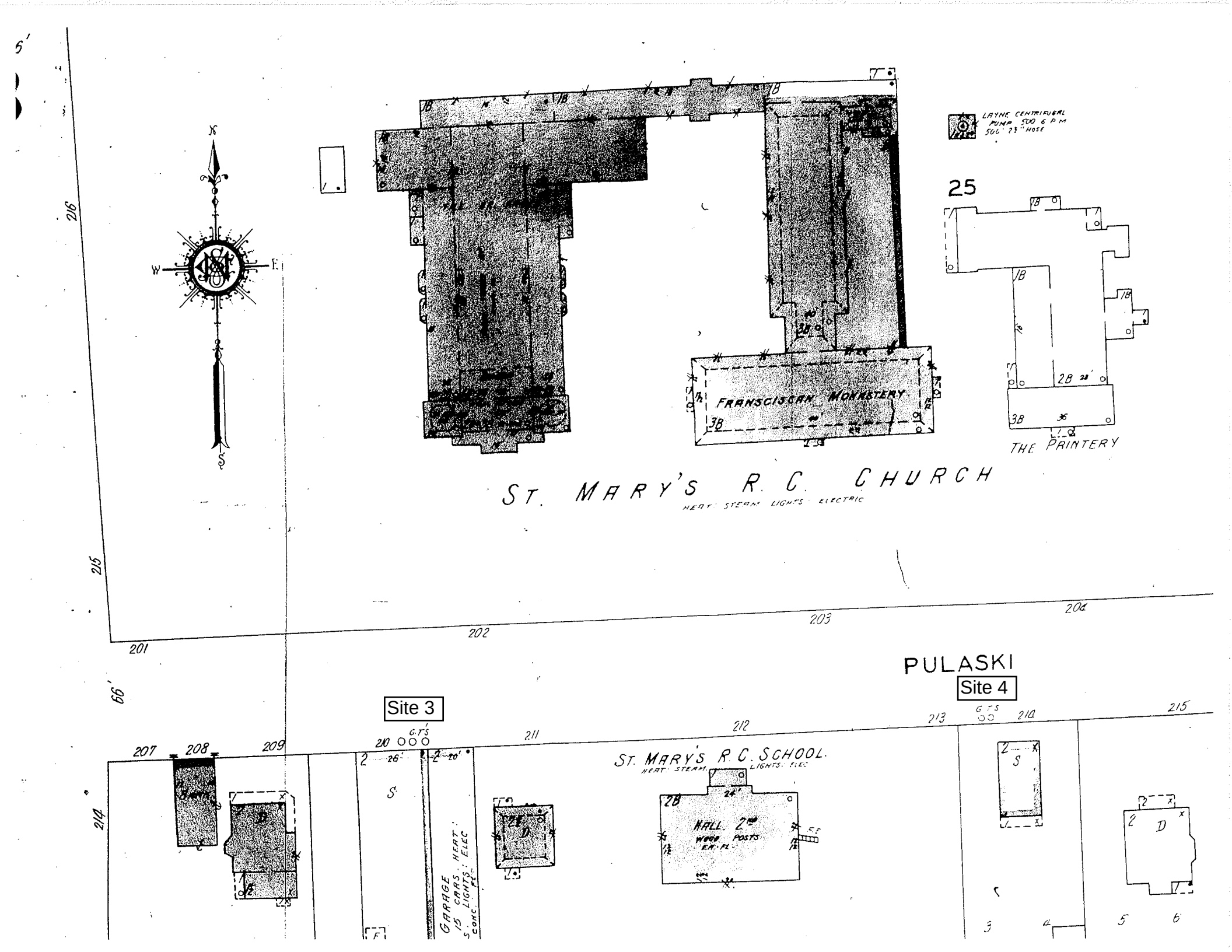
FIGURE 6

CROSS-SECTION C - C'

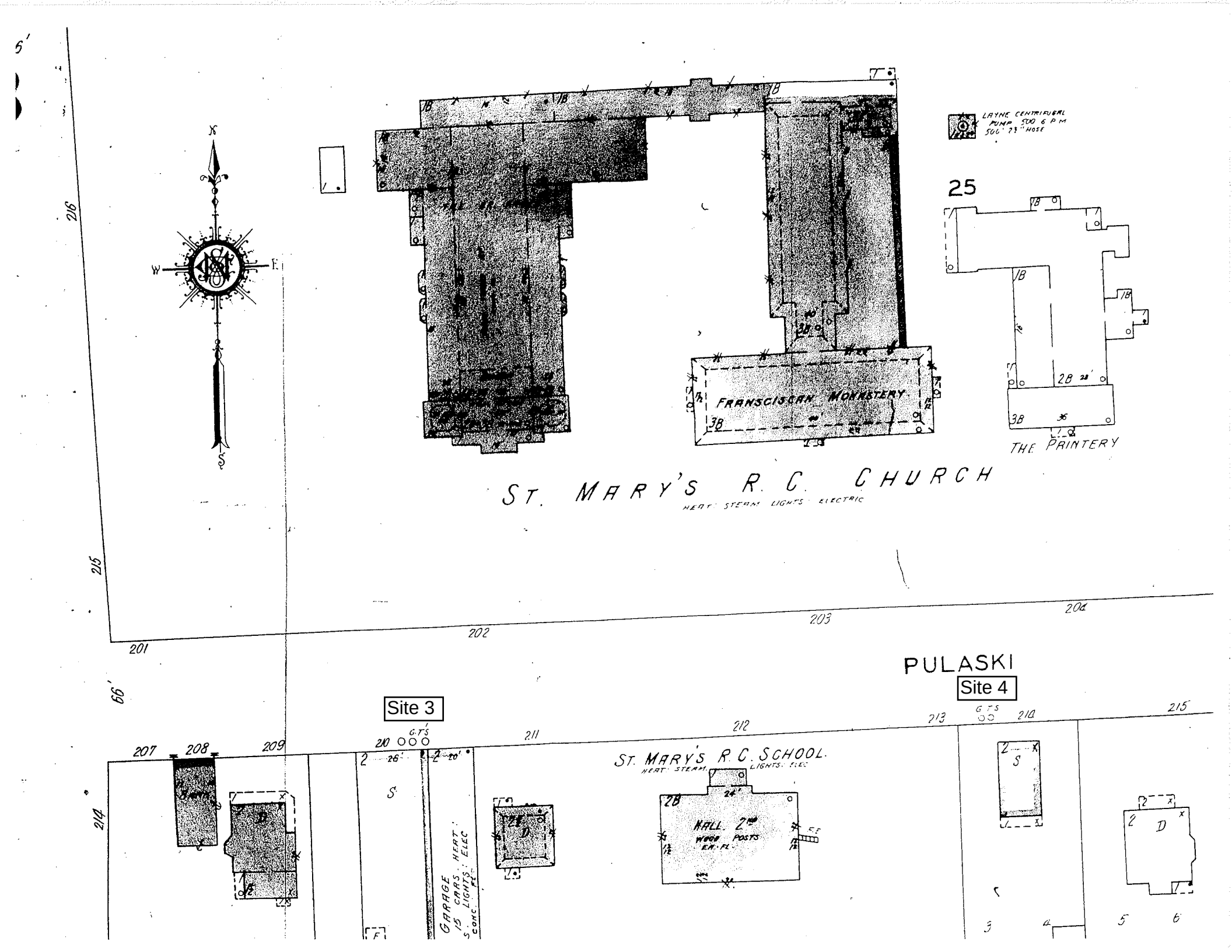
SCALE: SEE GRAPHIC SCALE | DATE: 1/1/92

Environmental Compliance Consultants | BY: S. BURTON

Site #3
118 E. Pulaski Street (Boutique Village)

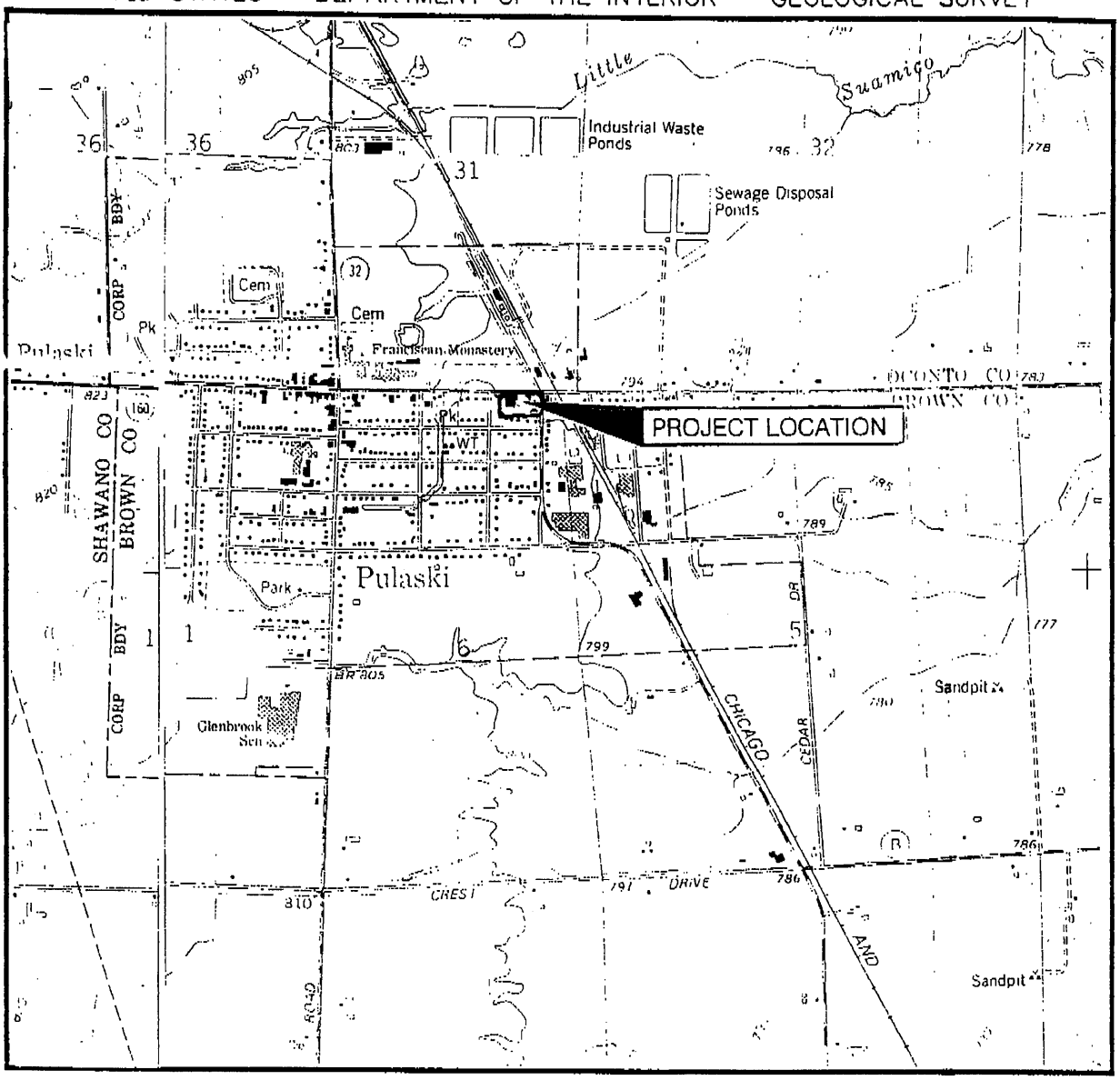

LAYNE CENTRIFUGAL PUMP 500 G P M
500' 2½" HOSE
25
FRANSCISCAN MONASTERY
THE PRINTERY
ST. MARY'S R. C. CHURCH
HEAT: STEAM LIGHTS: ELECTRIC
216
215
201
202
203
204
66'
PULASKI
Site 4
Site 3
ST. MARY'S R. C. SCHOOL.
HEAT: STEAM. LIGHTS: ELEC
HALL 2nd
WOOD POSTS
EN. FL.
GARAGE
15 CARS. HEAT.
S. LIGHTS: ELEC
conc. FL.
G.T'S
207
208
209
210
211
212
213
214
215

Site #4
152 E. Pulaski Street (Citizens Bank Parking Lot)


LAYNE CENTRIFUGAL PUMP 500 G P M
500' 2½" HOSE
25
FRANSCISCAN MONASTERY
THE PRINTERY
ST. MARY'S R. C. CHURCH
HEAT: STEAM LIGHTS: ELECTRIC
216
215
201
202
203
204
66'
PULASKI
Site 4
Site 3
ST. MARY'S R. C. SCHOOL.
HEAT: STEAM. LIGHTS: ELEC
HALL 2nd
WOOD POSTS
EN. FL.
GARAGE
15 CARS. HEAT.
S. LIGHTS: ELEC
conc. FL.
G.T'S
207
208
209
210
211
212
213
214
215

Site #5
113 S. Wisconsin Street (Pulaski Shell Station)

UNITED STATES – DEPARTMENT OF THE INTERIOR – GEOLOGICAL SURVEY



SCALE 1:24 000

1 .5 0 KILOMETERS 1 2

1000 0 METERS 1000 2000

1 .5 0 1

MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

FEET

CONTOUR INTERVAL 10 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

DOTTED LINES REPRESENT 5-FOOT CONTOURS

N

PULASKI QUADRANGLE

WISCONSIN, BROWN COUNTY

7.5 MINUTE SERIES (TOPOGRAPHIC)

Terracon

5535 HOFFMAN ROAD EAST
WHITE BEAR LAKE, MN 55110
(612) 770-1500 FAX (612) 770-1657

PULASKI CHASE COOPERATIVE

PULASKI, WISCONSIN

TERRACON PROJECT NO. 41965018

DRAWN BY: JLK
CHECKED BY: GS
FILE: 2165L.DWG
SCALE: AS SHOWN
DATE: 1/20/99

SITE LOCATION MAP

FIGURE 1

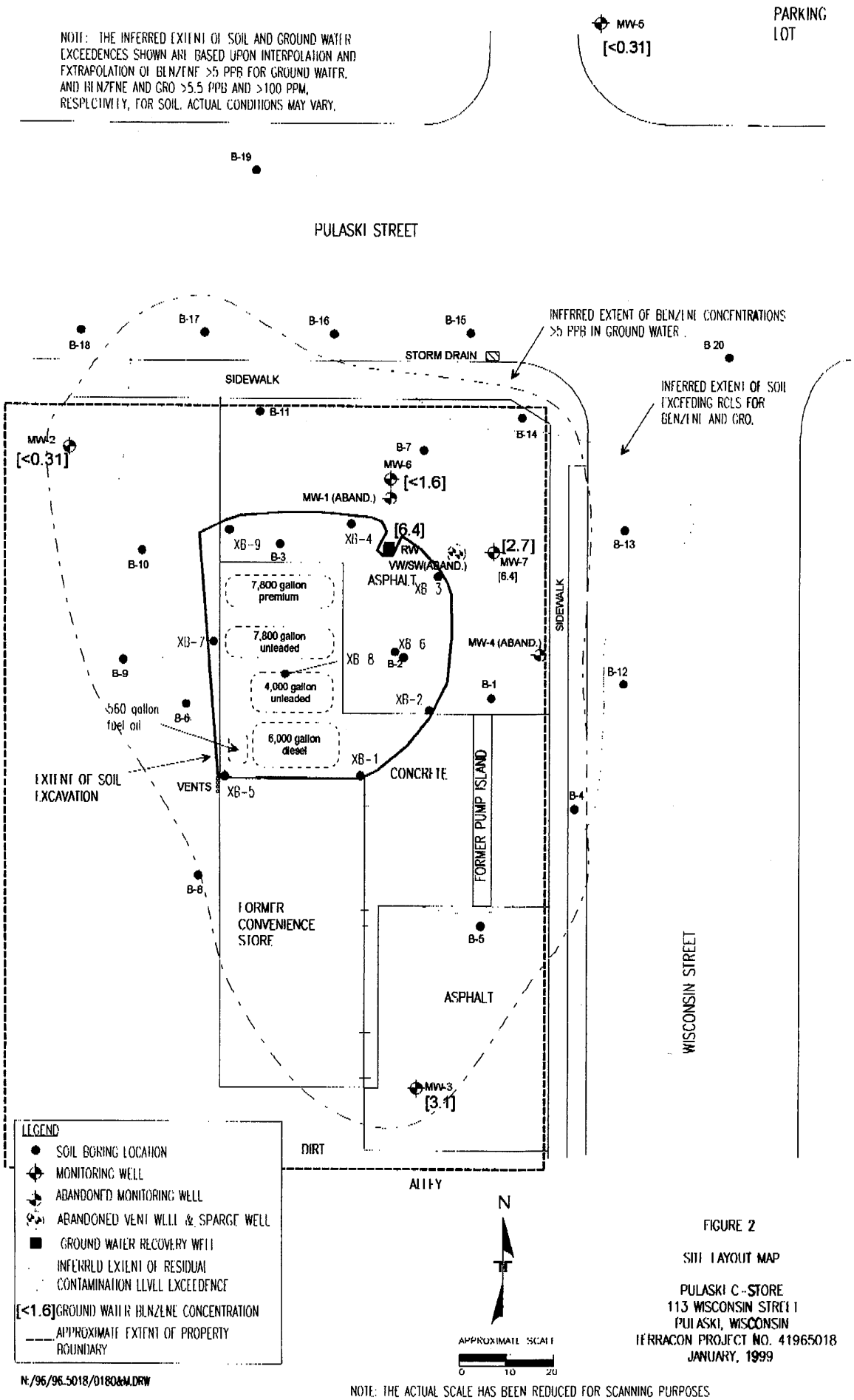


FIGURE 2

SITE LAYOUT MAP

PULASKI C-STORE
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999

NOTE: THE ACTUAL SCALE HAS BEEN REDUCED FOR SCANNING PURPOSES

TABLE 2

PULASKI CHASE COOPERATIVE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

GROUND WATER CHEMISTRY

WELL NUMBER	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	1,2,4 - TMB	1,3,5 - TMB	GRO	DRO
MW-1	12/17/1996	110	120	9.3	45	910	10	5	1,200	130
MW-1	1/22/1997	1,700	1,200	81	730	3,300	88	25	6,200	1,100
MW-1*	4/9/1997	11,000	7,100	330	3,800	8,900	480	120	NA	2,600
MW-1T	5/1/1997	2,900	1,700	99	1,290	2,200	170	48	10,000	NA
MW-1B	5/1/1997	4,900	3,300	150	2,350	3,400	310	87	18,000	NA
MW-1	8/27/1997	1,900	1,100	220	1,140	3,000	240	73	9,100	2,100
MW-2	12/20/1996	0.8	91	270	670	<2.0	190	50	2,200	390
MW-2	11/25/1997	1.2	<0.36	<0.29	<0.94	2.7	<0.30	<0.34	<50	<120
MW-2	5/27/1998	160	<0.32	<0.35	<1.09	21	<0.36	<0.38	220	160
MW-2	9/1/1998	1.8	<0.32	<0.35	<1.09	15	<0.36	<0.38	<20	270
MW-2	11/5/1998	<0.31	<0.32	<0.35	<0.73	6.3	<0.36	<0.38	20J	92
MW-3	12/20/1996	<0.6	24	<1.0	1.2	<1.0	1	<1.0	<50	<120
MW-3	1/22/1997	2.3	31	140	330	8	150	44	1,200	240
MW-3*	4/9/1997	<2.0	17	220	650	<2.5	380	110	NA	1,200
MW-3	8/27/1997	0.67	2	140	73.66	7.6	220	65	1,800	750
MW-3	11/25/1997	1.3	3	170	58.5	<0.40	200	20	2,000	540
MW-3	5/27/1998	20	3	170	46	<1.4	160	2	2,100	580
MW-3	9/1/1998	7.2	<0.32	0.69	<1.09	<0.29	0.66	<0.38	370	220
MW-3	11/5/1998	3.1	0.42	0.93	1.83	<0.29	2.4	1	200	290
MW-4	12/20/1996	170	110	12	58	47	10	2.9	620	130
MW-4	1/22/1997	61	13	5.4	94	150	20	13	470	440
MW-4*	4/9/1997	3,800	810	24	2,410	1,200	480	240	NA	3,800
MW-4	8/27/1997	3,100	1,300	540	3,060	1,900	770	230	17,000	3,300
MW-5	12/20/1996	2.3	15	3.1	15.2	5.4	5.4	1.6	89	<100
MW-5	1/22/1997	<1	13	<1	2.6	6.6	1.8	<1	<50	<100
MW-5	4/9/1997	<0.40	0.6	<0.20	<0.50	4.5	<0.30	<0.30	NA	210
MW-5	8/27/1997	<0.16	<0.36	<0.29	<1.15	4	<0.30	<0.34	<50	<100
MW-5	11/25/1997	<0.16	<0.36	<0.29	<0.94	3.9	<0.30	<0.34	<50	110
MW-5	5/27/1998	<0.31	<0.32	<0.35	<1.09	2.2	<0.36	<0.38	<20	130
MW-5	9/1/1998	<0.31	<0.32	<0.35	<1.09	2.6	<0.36	<0.38	<20	80
MW-5	11/5/1998	<0.31	<0.32	<0.35	<0.73	2.9	<0.36	<0.38	35	64
MW-6	5/27/1998	32	<1.6	2.3	<5.4	1,400	2.8	<1.9	820	550
MW-6	9/1/1998	53	24.0	2	15.3	1,000	2.4	0.90	740	360
MW-6	11/5/1998	<1.6	<1.6	<1.8	<3.6	550	<1.8	<1.9	350	190
MW-7	5/27/1998	34	37	4.6	21	17	3.2	1.0	210	210
MW-7	9/1/1998	3.8	<0.32	1.1	<1.09	2.9	<0.36	<0.38	<20	280
MW-7	11/5/1998	2.7	0.43	<0.35	<0.73	1.9	<0.36	<0.38	24	61
RW-1	1/23/1997	19	23	5.5	41	680	7.8	7.2	550	250
RW-1	8/27/1997	110	<18	<14	<57	8,200	<15	<17	4,200	3,100

TABLE 2

PULASKI CHASE COOPERATIVE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

GROUND WATER CHEMISTRY

WELL NUMBER	DATE	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	1,2,4 - TMB	1,3,5 - TMB	GRO	DRO
RW	5/27/1998	**580**	5	4.8	14.7	**8,300**	6.8	5.0	5,500	1,900
RW	9/1/1998	**160**	1.70	<1.8	6.4	**4,400**	3.0	2.1	3,400	1,500
RW	11/5/1998	**6.4**	<1.6	<1.8	<3.6	**4,600**	2.6	<1.9	510	2,000
RW-AM	4/10/1997	**12**	10	<5.0	<13	**2,400**	<7.5	<7.5	NA	1,600
RW-PM	4/10/1997	**44**	19	<4.0	20	**2,000**	9.4	<6.0	NA	1,300
EFF	4/10/1997	<2.0	<1.5	<1.0	<2.5	**500**	<1.5	<1.5	NA	NA
SPW	5/1/1997	0.2	<0.4	<0.3	<0.9	16	<0.3	<0.3	<50	NA
SPW	8/27/1997	0.42	<0.36	<0.29	<1.15	0.54	<0.30	<0.34	<50	<100
SVE	5/1/1997	**16,000**	**23,000**	**2,000**	12,700	**2,200**	<60	<60	81,000	NA
SVE	8/27/1997	**15,000**	**8,000**	**1,700**	9,300	**1700**	**1,400**	**410**	59,000	6,500
"B-1-W"	6/5/1996	**3,000**	**5,900**	550	4,900	**5,400**	**720**	**210**	24,000	30,000
B-5-W"	6/5/1996	**29**	1.1	<1.0	<2.0	<1.0	<1.0	<1.0	<50	220
"B-7-W"	6/6/1996	**1,800**	**3,300**	650	6,000	<25	**4,200**	**1,100**	38,000	72,000
ES		5	1,000	700	10,000	60	480 (Total TMB)		NE	NE
PAL		**0.5**	**200**	**140**	**1,000**	12	**96 (Total TMB)**		NE	NE

All values expressed in micrograms per liter (parts per billion).

GRO - Gasoline range organics

DRO - Diesel range organics

MTBE - Methyl-tert-Butyl Ether

TMB - Trimethylbenzene

* Laboratory analysis detected additional volatile organic compounds. Please refer to Table 2.

< Denotes less than.

NA - Not analyzed

ES - Ground water enforcement standard - NR 140, Wisconsin Administrative Code

PAL - Preventive Action Limit - NR 140, Wisconsin Administrative Code

NE - Not Established

" - Borehole water sample - collected from a thin perched water unit which is shallower than the monitoring wells screened interval.

EFF - Effluent water sample from the discharge from the initial pump test at the recovery test well

SVE - Soil vapor extraction well

SPW - Sparge well

MW-1T - Water sample collected from the water table from MW-1

MW-1B - Water sample collected from the base of the well screen at MW-1

Bold indicated exceedance of ES

Box indicated exceedance of PAL

N:\96\96_5018\[018GW.XLS]GW Chem.

TABLE 3

PULASKI CHASE COOPERATIVE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

SOIL CHEMISTRY

SOIL SAMPLE	DEPTH (feet)	PID	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	1,2,4 TMB	1,3,5 TMB	NAPHTH-ALENE	GRO	DRO	TOTAL LEAD
B-1	1-3	0.7	-	-	-	-	-	-	-	-	-	-	-
B-1	3-5*	115	**0.39**	**2.40**	0.81	**5.7**	0.18	3.0	0.95	0.55	49	20	7.2
B-1	5-7	22	-	-	-	-	-	-	-	-	-	-	-
B-2	2-4	200	-	-	-	-	-	-	-	-	-	-	-
B-2	4-6	210	-	-	-	-	-	-	-	-	-	-	-
B-2	7-8*	300	**15**	**120**	**34**	**208**	2.3	110	33	19	**1,200**	**250**	<3.6
B-2	9-10*	65	**1.5**	1.4	1.4	3.7	0.95	1.4	0.45	0.32	14	<3.4	-
B-3	2-4	200	-	-	-	-	-	-	-	-	-	-	-
B-3	6-8*	280	**7.3**	**61**	**20**	**128**	1.1	60	20	11	**1,300**	59	<3.6
B-4	2-4	-	**0.16**	0.40	<0.025	0.26	<0.025	<0.025	<0.025	<0.025	<2.9	<4.7	5.1
B-4	4-6	14	**0.05**	0.06	0.15	0.29	<0.025	<0.025	<0.025	<0.025	-	<3.5	-
B-5	2-4	8	<0.025	0.06	<0.025	0.05	<0.025	<0.025	<0.025	<0.025	<2.7	<4.8	5.1
B-5	4-6	1	-	-	-	-	-	-	-	-	-	-	-
B-6	2-4	43	-	-	-	-	-	-	-	-	-	-	-
B-6	4-6	18	<0.025	<0.025	<0.025	0.04	<0.025	<0.025	<0.025	<0.025	<2.9	<5.7	10.0
B-6	6-8*	22	**0.68**	**1.7**	2.3	**11.6**	<0.025	3.9	1.2	1.0	26	13	-
B-7	2-4	51	-	-	-	-	-	-	-	-	-	-	-
B-7	4-6*	22	**1.5**	**14**	**3.0**	**74**	<0.25	58	21	9.1	**180**	12	<3.7
B-8	1-3	<0.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<3.0	<5.3	-
B-8	3-5	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-8	10-12	1	-	-	-	-	-	-	-	-	-	-	-
B-8	14-16	1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.9	<4.4	-
B-9	1-3	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-9	3-5	<0.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.9	<4.6	-
B-9	7-9	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-9	11-13	<0.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.8	<4.3	-
B-10	1-3	<0.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.7	<4.6	-
B-10	5-7	335	-	-	-	-	-	-	-	-	-	-	-
B-10	10-12	<0.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.9	<4.4	-
B-11	1-3	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-11	3-5	120	-	-	-	-	-	-	-	-	-	-	-

TABLE 3

PULASKI CHASE COOPERATIVE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

SOIL CHEMISTRY

SOIL SAMPLE	DEPTH (feet)	PID	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	1,2,4 TMB	1,3,5 TMB	NAPHTH-ALENE	GRO	DRO	TOTAL LEAD
B-11	5-7	490	**1.1**	**7.0**	**5.6**	**24.2**	<0.1	15	5.3	-	**240**	37	-
B-11	7-9	260	-	-	-	-	-	-	-	-	-	-	-
B-11	9-11	4	-	-	-	-	-	-	-	-	-	-	-
B-11	11-13	<0.1	<0.025	0.03	<0.025	0.05	<0.025	0.04	<0.025	-	<2.8	<5.4	-
B-12	1-3	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-12	3-5	2	<0.025	<0.025	<0.025	0.05	<0.025	0.03	<0.025	-	<2.8	<4.2	-
B-12	5-7	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-13	3-5	19	-	-	-	-	-	-	-	-	-	-	-
B-13	5-7	390	<0.2	1.1	**8.0**	**16.4**	0.3	14	5.0	-	**520**	48	-
B-13	7-9	80	-	-	-	-	-	-	-	-	-	-	-
B-13	9-11	20	-	-	-	-	-	-	-	-	-	-	-
B-13	11-13	6	<0.025	<0.025	<0.025	<0.025	<0.025	0.03	<0.025	-	<2.9	<4.9	-
B-14	3-5	<0.1	-	-	-	-	-	-	-	-	-	-	-
B-14	5-7	2	-	-	-	-	-	-	-	-	-	-	-
B-14	7-9	4	<0.025	0.1	1.2	0.3	0.1	0.2	<0.025	-	34	<4.7	-
B-15	3-5	1	-	-	-	-	-	-	-	-	-	-	-
B-15	5-7	3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.8	<4.2	-
B-16	3-5	4	-	-	-	-	-	-	-	-	-	-	-
B-16	5-7	15	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.8	<4.2	-
B-17	3-5	47	-	-	-	-	-	-	-	-	-	-	-
B-17	5-7	300	**3.7**	**62**	**26**	**143**	1.5	75	25	-	**1,100**	43	-
B-18	3-5	2	-	-	-	-	-	-	-	-	-	-	-
B-18	5-7	4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.8	<4.2	-
B-19	3-5	2	-	-	-	-	-	-	-	-	-	-	-
B-19	5-7	3	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.8	<4.2	-
B-19	7-9	2	-	-	-	-	-	-	-	-	-	-	-
B-20	3-5	2	-	-	-	-	-	-	-	-	-	-	-
B-20	5-7	2	-	-	-	-	-	-	-	-	-	-	-
B-20	7-9	4	<0.025	0.04	1.2	0.20	<0.025	<0.025	<0.025	-	2.9	<5.0	-
MW-1	1-3	330	-	-	-	-	-	-	-	-	-	-	-
MW-1	3-5	660	-	-	-	-	-	-	-	-	-	-	-
MW-1	5-7	500	-	-	-	-	-	-	-	-	-	-	-
MW-1	7-9	200	-	-	-	-	-	-	-	-	-	-	-
MW-1	9-11	16	**0.09**	0.37	0.08	0.40	1.2	0.086	<0.025	-	<2.8	<5.0	-
MW-1	13-15	20	-	-	-	-	-	-	-	-	-	-	-
MW-1	17-19	2	-	-	-	-	-	-	-	-	-	-	-
MW-4	1-3	<0.1	-	-	-	-	-	-	-	-	-	-	-
MW-4	3-5	<0.1	-	-	-	-	-	-	-	-	-	-	-
MW-4	5-7	38	-	-	-	-	-	-	-	-	-	-	-
MW-4	7-9	31	-	-	-	-	-	-	-	-	-	-	-
MW-4	9-11	4	**0.21**	0.11	0.40	0.33	<0.025	<0.025	<0.025	-	17	<5.2	-
MW-5	3-5	<0.1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	-	<2.8	6.7	-

TABLE 3

PULASKI CHASE COOPERATIVE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

SOIL CHEMISTRY

SOIL SAMPLE	DEPTH (feet)	PID	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	1,2,4 TMB	1,3,5 TMB	NAPHTH-ALENE	GRO	DRO	TOTAL LEAD
SW	5-7	-	**11**	**60**	**18**	**100**	1	43	14	-	**820**	**170**	-
Excavation Soil Sampling - 10/23/97 & 10/24/97													
XB-1	9	<1	<0.025	<0.025	<0.025	<0.025	0.17	<0.025	<0.025	NA	<2.7	<3.7	
XB-2	8	68	**0.96**	0.1	2.2	**9.3**	0.26	4.3	1.2	NA	40	21	
XB-3	8	784	* 2.5	**9.3**	**4.6**	**27.7**	0.42	18.0	5.6	NA	**220**	**130**	
XB-4	8	95	**4.2**	0.94	1.7	**8.5**	1.9	1.1	0.27	NA	28	5.9	
XB-5	8-9	57	**0.37**	<0.025	0.39	0.719	<0.025	1.4	0.18	NA	31	**150**	
XB-6	8-9	58	1.9	0.14	1.8	3.69	0.92	0.92	0.32	NA	22	7.4	
XB-7	8-9	35	1.8	0.13	0.78	2.87	0.36	0.71	0.24	NA	13	<4.2	
XB-8	9	521	**2.4**	**18**	**5.5**	**83**	1.5	48	16	NA	**570**	**800**	
XB-9	8	247	**3.1**	**5.9**	1.5	**7**	0.31	1.4	0.39	NA	31	<4.0	
Roadway Construction Soil Sampling - 9/10/97 & 9/12/97													
Mid Trench	4	<1	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<2.9	<3.8	
Manhole Base	4.5	4	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<2.8	<3.8	
NW Basin	4	804	**0.43**	**2.1**	2.2	**10.8**	0.1	9.8	3.4	NA	**130**	<3.7	
S. Basin	4	118	**0.063**	0.088	0.44	0.90	<0.025	1.6	0.56	NA	20	<3.7	
Stockpile #1			<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	NA	<2.8	<4.0	
Stockpile #2			<0.025	<0.025	<0.025	0.038	<0.025	0.12	0.066	NA	<2.9	<4.0	
Generic RCL	-	-	**0.0055**	**1.5**	**2.9**	**4.1**	NE	NE	NE	NE	**100**	**100**	**50**

Values expressed in PPM
PID - Photoionization Detector.
ppm - Parts per million.
mg/kg - milligrams per kilogram (parts per million).
* - Other petroleum related compounds were detected. Refer to the laboratory report.
RCL - Residual Contamination Level in soil (NR 720)
GRO - Gasoline Range Organics.
DRO - Diesel Range Organics.
- Not analyzed
< Denotes less than.
NE - Not Established
Bold indicates exceedance of Generic RCL

N:\96\96_5028\018SC.XLS

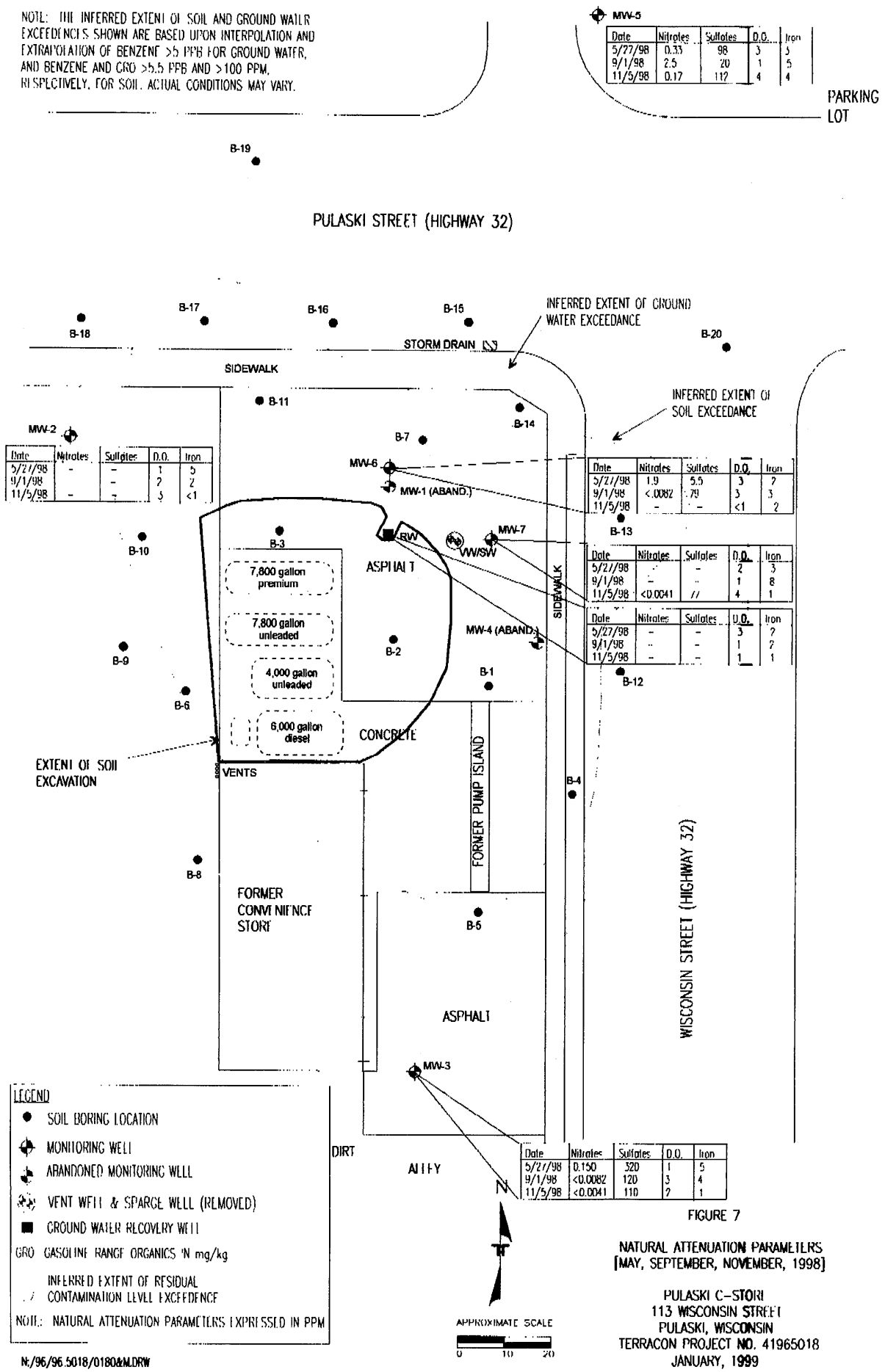


FIGURE 7

NATURAL ATTENUATION PARAMETERS
[MAY, SEPTEMBER, NOVEMBER, 1998]

PULASKI C-STORI
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999

NOTE: THE ACTUAL SCALE HAS BEEN REDUCED FOR SCANNING PURPOSES

TABLE 1

PULASKI C-STORE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

GROUND WATER ELEVATIONS

WELL NUMBER	DATE	DEPTH TO WATER	REFERENCE ELEVATION	GROUND WATER ELEVATION	ELEVATION TOP OF SCREEN	ELEVATION BOTTOM OF SCREEN
MW-1	12/20/1996	11.77	796.94	785.17	787.9	777.9
MW-1	1/22/1997	11.48	796.94	785.46	787.9	777.9
MW-1	4/9/1997	9.38	796.94	787.56	787.9	777.9
MW-1	5/1/1997	10.45	796.94	786.49	787.9	777.9
MW-1	6/24/1997	10.59	796.94	786.35	787.9	777.9
MW-1	8/27/1997	11.55	796.94	785.39	787.9	777.9
MW-2	12/20/1996	12.31	797.64	785.33	788.1	778.1
MW-2	11/25/1997	11.45	797.64	786.19	788.1	778.1
MW-2	5/27/1998	10.25	797.64	787.39	788.1	778.1
MW-2	9/1/1998	11.33	797.64	786.31	788.1	778.1
MW-2	11/5/1998	11.58	797.64	786.06	788.1	778.1
MW-3	12/20/1996	11.21	796.39	785.18	786.9	776.9
MW-3	1/22/1997	12.09	796.39	784.30	786.9	776.9
MW-3	4/9/1997	10.02	796.39	786.37	786.9	776.9
MW-3	5/1/1997	11.06	796.39	785.33	786.9	776.9
MW-3	6/24/1997	11.28	796.39	785.11	786.9	776.9
MW-3	8/27/1997	12.50	796.39	783.89	786.9	776.9
MW-3	11/25/1997	11.34	796.39	785.05	786.9	776.9
MW-3	5/27/1998	10.21	796.39	786.18	786.9	776.9
MW-3	9/1/1998	11.23	796.39	785.16	786.9	776.9
MW-3	11/5/1998	11.45	796.39	784.94	786.9	776.9
MW-4	12/20/1996	11.08	796.33	785.25	788.8	778.8
MW-4	1/22/1997	10.84	796.33	785.49	788.8	778.8
MW-4	4/9/1997	8.78	796.33	787.55	788.8	778.8
MW-4	5/1/1997	9.82	796.33	786.51	788.8	778.8
MW-4	6/24/1997	9.96	796.33	787.39	788.8	778.8
MW-4	8/27/1997	10.81	796.33	785.52	788.8	778.8
MW-5	12/20/1996	11.00	796.14	785.14	787.6	777.6
MW-5	1/22/1997	10.69	796.14	785.45	787.6	777.6
MW-5	4/9/1997	8.57	796.14	787.57	787.6	777.6
MW-5	5/1/1997	9.63	796.14	786.51	787.6	777.6
MW-5	6/24/1997	9.78	796.14	786.36	787.6	777.6
MW-5	8/27/1997	10.72	796.14	785.42	787.6	777.6
MW-5	11/25/1997	11.20	796.14	784.94	787.6	777.6
MW-5	5/27/1998	10.03	796.14	786.11	787.6	777.6
MW-5	9/1/1998	11.07	796.33	785.26	788.8	778.8
MW-5	11/5/1998	11.32	796.14	784.82	787.6	777.6
MW-6	5/27/1998	10.29	796.52	786.23	788.0	777.2
MW-6	9/1/1998	11.34	796.52	785.18	788.0	777.2
MW-6	11/5/1998	11.54	796.52	784.98	788.0	777.2
MW-7	5/27/1998	10.33	796.43	786.10	787.9	778.1

TABLE 1

PULASKI C-STORE
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018

GROUND WATER ELEVATIONS

WELL NUMBER	DATE	DEPTH TO WATER	REFERENCE ELEVATION	GROUND WATER ELEVATION	ELEVATION TOP OF SCREEN	ELEVATION BOTTOM OF SCREEN
MW-7	9/1/1998	11.39	796.43	785.04	787.9	778.1
MW-7	11/5/1998	11.56	796.43	784.87	787.9	778.1
RW	1/22/1997	7.35	796.14	788.79	787.6	777.6
RW[1]	4/9/1997	9.44	797.02	787.58	788.0	778.0
RW[1]	5/1/1997	10.51	797.02	786.51	788.0	778.0
RW[1]	6/24/1997	10.66	797.02	786.36	788.0	778.0
RW[1]	8/27/1997	11.55	797.02	785.47	788.0	778.0
RW[1]	11/25/1997	11.80	797.02	785.22	788.0	778.0
RW[1]	5/27/1998	10.64	797.02	786.38	788.0	778.0
RW[1]	9/1/1998	11.63	797.02	785.39	788.0	778.0
RW[1]	11/5/1998	11.84	797.02	785.18	788.0	778.0
SW	4/9/1997	9.06	796.63	787.57	778.6	776.6
SW	5/1/1997	10.11	796.63	786.52	778.6	776.6
SW	6/24/1997	10.25	796.63	786.38	778.6	776.6
SW	8/27/1997	11.13	796.63	785.50	778.6	776.6
SVE	4/9/1997	4.43	796.57	792.14	793.6	789.6
SVE	5/1/1997	4.36	796.57	792.21	793.6	789.6
SVE	6/24/1997	4.00	795.57	792.57	793.6	789.6
SVE	8/27/1997	4.23	795.57	791.34	793.6	789.6

Elevations measured in feet.

RW - Ground water extraction well

1 - the recovery well was abandoned and a new well was installed on 4/7/97.

SW - Sparge well

SVE - Soil vapor extraction well

N:\96\96_5018\[018GW.XLS]GW Elev.

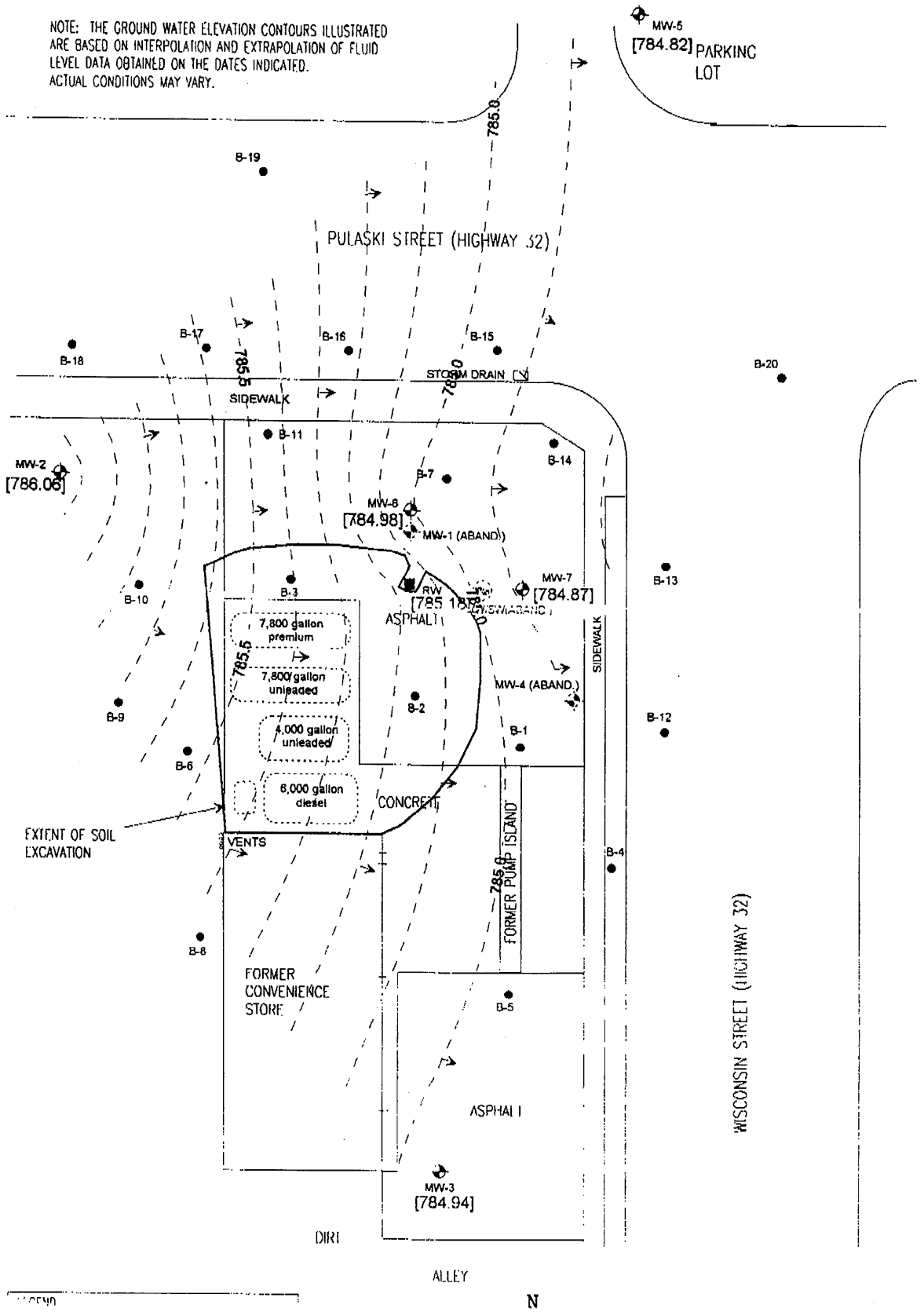


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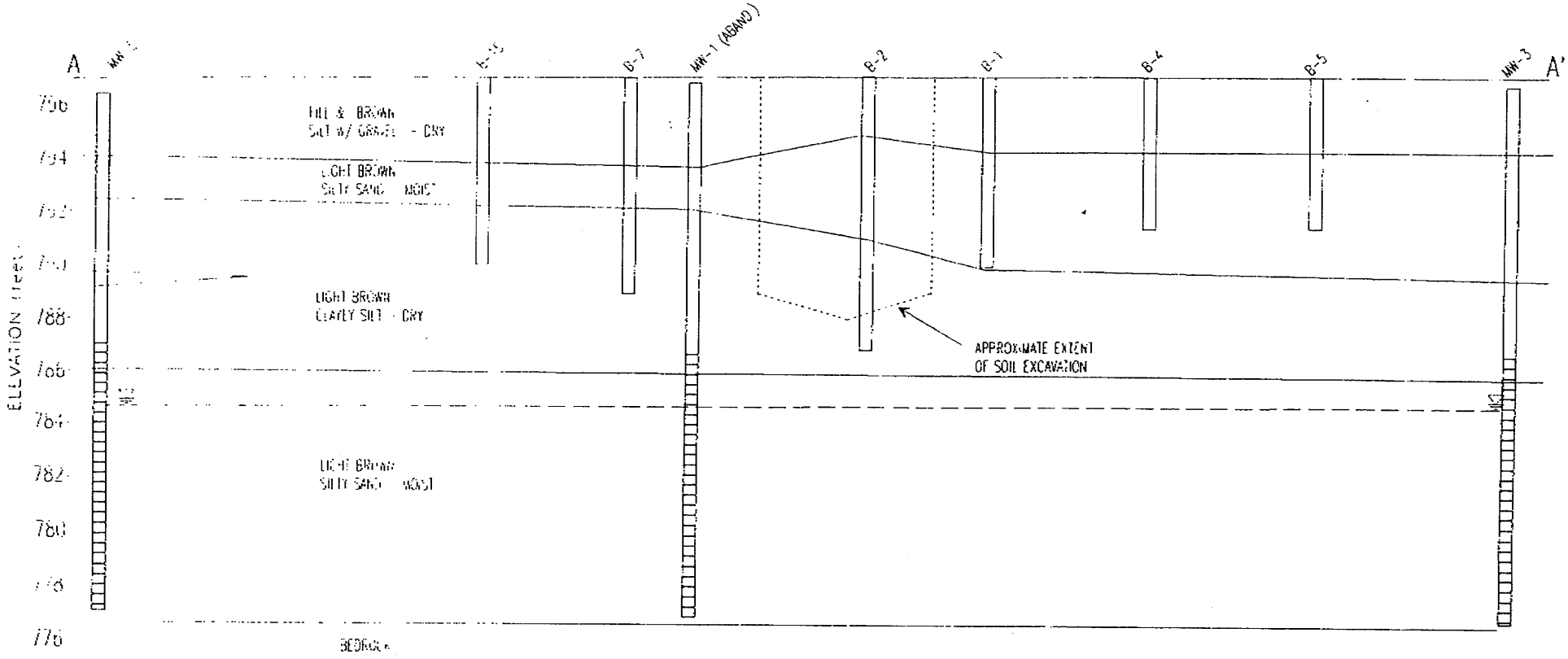
FIGURE 3

GROUND WATER CONTOUR MAP
[NOVEMBER 5, 1998]

PULASKI C-STORE
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999



LEGEND:

▽ WATER TABLE LEVEL IN MONITORING WELL ON NOVEMBER 5, 1998

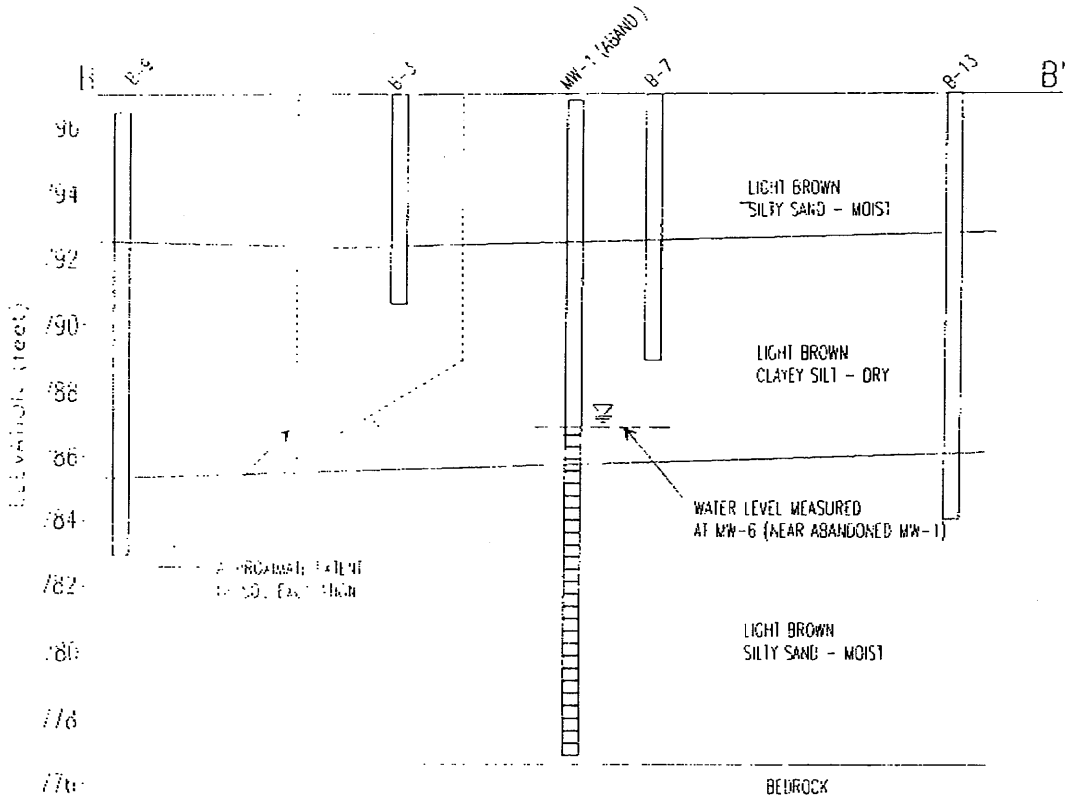
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'
DATUM: EXCAVATION TOP

NOTE: THE STRATIGRAPHIC BOUNDARIES ILLUSTRATED ARE BASED ON INTERPOLATION AND EXTRAPOLATION OF SOIL DATA COLLECTED FROM THE BORING SHOWN. ACTUAL CONDITIONS MAY VARY.

FIGURE 9

GEOLOGIC CROSS-SECTION A-A'

PULASKI C-STORE
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999



NOTE: THE STRATIGRAPHIC BOUNDARIES ILLUSTRATED ARE BASED ON INTERPOLATION AND EXTRAPOLATION OF SOIL DATA COLLECTED FROM THE BORING SHOWN. ACTUAL CONDITIONS MAY VARY.

LEGEND

▽ MEASURED WATER LEVEL ON NOVEMBER 5 1998

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'
VERTICAL EXAGGERATION: 20

FIGURE 10

GEOLOGIC CROSS-SECTION B-B'

PULASKI C-STORE
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999

Appendix D
Site Photographs

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)	STH 32, Pulaski, WI	TRC: 201040.0000.0000 WisDOT: 9190-13-00

Photo No.	Date
1	2/25/13

Description
Site 1- Heartland Fabrication & Machine, Inc. (108 S St. Augustine Street). Looking north down STH 32 on the Southwest corner of Chicago Street and St Augustine Street.

Photo No.	Date
2	2/25/13

Description
Site 3- Boutique Village (118 East Pulaski Street). Looking east down STH 32.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)	STH 32, Pulaski, WI	TRC: 201040.0000.0000 WisDOT: 9190-13-00

Photo No.	Date
3	2/25/13

Description
Site 3- Boutique Village (118 East Pulaski Street). Looking south across STH 32.

Photo No.	Date
4	2/25/13

Description
Site 4- Citizens Bank Parking Lot (152 East Pulaski Street). Looking south east across STH 32.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)	STH 32, Pulaski, WI	TRC: 201040.0000.0000 WisDOT: 9190-13-00

Photo No.	Date
5	2/25/13

Description
Site 5- Pulaski Shell Station (113 South Wisconsin Street). Looking west down STH 32 from the southeast corner of East Pulaski Street and South Wisconsin Street.

Photo No.	Date
6	2/25/13

Description
Site 5- Pulaski Shell Station (113 South Wisconsin Street). Looking north down STH 32 at the southeast corner of East Pulaski Street and South Wisconsin Street.

Photographic Log

Client Name:	Site Location:	Project No.:
Wisconsin Department of Transportation (WisDOT)	STH 32, Pulaski, WI	TRC: 201040.0000.0000 WisDOT: 9190-13-00

Photo No.	Date
7	2/25/13

Description
Site 6- Trails End Food and Spirits (104 South Wisconsin Street). Looking at boring GP6-3 being drilled across South Wisconsin Street.

Photo No.	Date
8	2/25/13

Description
Site 6- Trails End Food and Spirits (104 South Wisconsin Street). Looking east across South Wisconsin Street.

Appendix E
Soil Boring Logs/WDNR Borehole Filling and Sealing Form

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WisDOT-Pulaski STH 32	2/25/2013	2/25/2013	GP-1-1

Boring Drilled By	Drilling Method
PROBE TECH, INC.	Geoprobe

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location
State Plane Easting 2425616 Northing 311656
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19 E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town (City) or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	4/5			0-1' Asphalt					
				1-2.5' Sandy Clay Fill, some gravel, slightly plastic, reddish brown, no odor, med dense, stiff, little moist		0.3			1-2.5'
				2.5-5' Clay, slightly plastic, dark brown to reddish brown, no odor, dry, stiff, dense		0.3			2.5-7'
2	3/3			5-7' same as above					
				7-8' silty sand, med grained, non-plastic, reddish brown, no odor, semidense wet		0.4			7-8'
				EOB @ 8' BGS Sampled 2.5-7' @ 1635					

Logged By: Wesley J Bluaja

Checked By:

F-204A (R 12-96)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WisDOT PULASKI STH 32	2/25/2013	2/25/2013	GP1-2

Boring Drilled By	Drilling Method
PROBE TECH, Inc.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location
State Plane: Easting 2426642 Northing 311703
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	4/5			0-1' Asphalt					
				1-5' sand and gravel Fill, med-C grained, non plastic, light brown, no odor, dry to 4.5' then wet to 5', semi dense, stiff.		0			1-2.5'
						0			2.5-5'
						0			5-6.5'
2	3/3			5-8' Clay, semi plastic, reddish brown, no odor, dry, dense, stiff, some coarse gravel throughout.		0			6.5-8'
				EOB @ 8'					
				sampled 2.5-5' @ 1645					

Logged By: Wesley J Bruce

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT PULASKI STH 22	2/25/2013	2/25/2013	GP2-1

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location — State Plane: Easting 2426771 Northing 310806

NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable): ☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-3.5' silty sand and Gravel Fill, Fn-Med, non-plastic, reddish brown, no odor, loose, non-dense		0.4			1-3.5'
				3.5-6' silty clay, semi-plastic, reddish brown, no odor, moist, stiff, dense, some organics @ 4.5'		2.6			3.5-5'
2	3/3			6-7.5' sandy Silt, Fn-med grained sand, slightly plastic, Yellowish brown, moist, medium dense, no odor.		0.1			5-7'
				7.5-8' clay, medium plasticity, reddish brown, petroleum odor, semi dense.		424			7-8'
				EOB @ 8'					
				sampled 7-8 @ 1600					

Logged By: Wesley J Bruce

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT PULASKI STH 32	2/25/2013	2/25/2013	GP2-2

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location
State Plane Easting 2425743 Northing 310755
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-5' Clay Fill, some organics (wood chips), semi plastic, Brown to dark Gray, no odor, Moist, Dense, stiff.		0			1-3.5'
				5-6.5' Silty clay, semi plastic, greyish blue, slight petroleum odor, Moist, stiff, med Dense.		10			3.5-5'
2	3/3								
				6.5-8' same as above, reddish brown, strong petro odor		330			5-6.5'
						295			6.5-8'
				EOB @ 8'					
				Sampled 5-6.5' @ 1625					

Logged By: Wesley J Baeye

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT PULASKI STH 32	2/25/2013	2/25/2013	GP3-1

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location
State Plane Easting 2425909 Northing 310810
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (in.) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-3.5' sand and Gravel Fill, fn-Med, non-plastic, light brown, slight odor (petro) moist, loose.		0.5			1-3.5'
				3.5-5' silty clay, semi plastic, dark reddish brown to very dark gray, petroleum odor, moist - dry, stiff, dense,		152			3.5-5'
				5-6' same as above		530			5-6'
2	3/3			6-8' clay, plastic, reddish brown, petroleum odor, moist - dry, dense, stiff		370			6-8'
				EOB @ 8'					
				sampled 3.5-5 @ 1435					
				5-6 @ 1435					

Logged By: Wesley J Bruce

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI STH 32	2/25/2013	2/25/2013	GP3-2

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location
State Plane Easting 2425874 Northing 310812
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length Cft Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' - Asphalt					
				1-3' sandy Fill, Fn-Med grained, dry, light brown, no odor, non-dense.		0.4			1-3'
				3-4' clay w/ some silt, semi plastic, reddish brown, dry, very dense/stiff.		0.2			3-5'
2	3/3			4-5' silty clay, plastic, grayish brown, no odor, wet, semi-dense.					
				5-8' silty sand, Fn grained, non-plastic, reddish yellow brown, no odor, dry, dense.		0.1			5-8'
				EOB @ 8'					
				Sampled 3-5 @ 1335					

Logged By: Wesley J Buege

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI STH 32	2/25/2013	2/25/2013	GP3-3

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	–	–	–	2 Inches

Boring Location: State Plane — Easting 2425988 Northing 310814

NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable): ☐ N ☐ S Feet ☐ E ☐ W Feet

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (Ft) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-5' clay w/ some gravel, plastic, dark brown to dark reddish brown, slight petro odor, some organics		0.5			1-2.5'
						180			2.5-5'
2	3/3			5-8' same as above, wet 7-8'		63			5-7'
						205			7-8'
				EOB @ 8'					
				sampled 2.5-5' @ 1535					

Logged By: Wesley J Bunge

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT - PULASKI	2/25/2013	2/25/2013	GP4-1

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	—	—	—	2 Inches

Boring Location
State Plane Easting 2426228 Northing 310812
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-4' Clay, sand, silt, some gravel (Fill). Demo debris, semi plastic, reddish brown, no odor, moist, very dense, stiff,		0.5			1-4'
				4-4.5' brick and other demo material Fill, & non plastic, light brown, dry, loose					
				4.5-5' clay w/ some large gravel, semi plastic, reddish brown, no odor, dry dense.		0.3			4.5-5'
				5-7.5' clay w/ some large gravel,					
2	3/3			semi plastic, reddish brown, no odor, dry, dense		4.8			5-7.5'
				7.5-8' Sand, Fn-Med grained, loose, nonplastic, light reddish brown, no odor, moist, non dense.		0.8			7.5-8'
				EOB @ 8'					
				Sampled 5-7.5 @ 1335					

Logged By: Wesley J Bruce

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI	2/25/2013	2/25/2013	GP4-2

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location
State Plane Easting 2426194 Northing 310812
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered (Ft)	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-5' sand Fill, non plastic, Fn-C grained, reddish brown, no odor, dense, some demo debris		0			1-5'
				5-7.5' clay w/ gravel, non plastic, reddish brown, no odor, dense/stiff.		0			5-7.5'
2	3/3			7.5-8' Sand, Fn-Med grained, non-plastic, light reddish brown, dry, loose, no odor.		0			7.5-8'
				EOB @ 8'					
				sampled 5-7.5 @ 1355					

Logged By: Wesley J Bruns

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WisDOT-PULASKI STH 32	2/25/2013	2/25/2013	GP5-1

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location
State Plane Easting 2428031 Northing 310799
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered*	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-2.5' gravel and sand Fill, gravel is coarse grained, non plastic, grey to light brown, moist@1.5', no odor, loose					
				2.5-5' clay, semi plastic, reddish brown, no odor, dry, semi dense/med stiff, some fin grained sand.		0			2.5-5'
				5-5.5' same as above		10.7			5-6.5'
2	3/3			5.5-7.5' silty lean clay, semiplastic, semidense, dark black staining, petro odor, moist		259			6.5-7.5'
				7.5-8' clay, non-plastic, reddish brown, no odor, dry, dense, very stiff.		13			7.5-8'
				EOB@8' sampled 5-7.5 (combined 5-6.5 & 6.5-7.5 @1015					

Logged By: Wesley J Berg

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI STH 32	2/25/2013	2/25/2013	GPS-2

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location
State Plane Easting 2428004 Northing [redacted]310829
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-2.5' Fill, sand and gravel, coarse, non plastic, wet, light brown, no odor, loose.		0.4			3-5'
				2.5-4' clay, some silt, non-plastic, dark brown, no odor, dry					
2	3/3			4-5' Fill, sand, Fn-med grained, non-plastic, light brown, no odor, dry, semi-dense, loose.		375			5-6'
				5-8' clay, plastic, reddish brown, petro odor (becomes stronger w/ depth), semi moist, dense, stiff.		>400			6-8'
				EOB @ 8'					
				Sampled 5-6' @1100					
				sampled 6-8' @1100					

Logged By: Wesley J Bruyn

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI	2/25/2013	2/26/2013	GP5-3

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location
State Plane Easting 2427968 Northing 310835
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-3' Fill, sand, med-Fn grained, non-plastic some silt, dense, reddish brown, moist, some gravel.		0.4			3-5'
				3-4' clay, [redacted] Non-plastic, reddish brown, no odor, moist, very dense, stiff		40			5-6.5'
				4-5' Fill, Sand, Fn-med grained, some silt, non-plastic, light brown, no odor, dense, stiff		900			6.5-8'
2	3/3			5-8' clay w/ gravel, semi plastic, reddish brown, strong petro odor, dry to moist, dense, stiff					
				EOB @ 8'					
				sampled 6.5-8' @ 1125					

Logged By: Wesley J Bucy

Checked By:

F-204A (R 12-96)

TRC Field Soil Boring Log Information

TRC Project No:

Project Name	Start Date	End Date	Boring Number
WIS DOT - PULASKI	2/25/2013	2/25/2013	GP5-4

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location
State Plane Easting [redacted]2426031 Northing [redacted]310731
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19 E

Local Grid Location (If applicable)
☐ N ☐ E
Feet ☐ S Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (In.) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1 Asphalt					
				1-2.5' F, 11, sand and gravel, Fn-C grained, semi plastic, light brown-reddish light brown no odor, moist, dense		0			3-5'
				2.5-5' silty lean clay w/ some fn sand, plastic, reddish brown, no odor, semi moist, dense, stiff.		0			5-6.5'
2	3/3			5-8' clay w/ some gravel, semi plastic, light reddish brown, no odor, semi-moist, dense, stiff.		0			6.5-8'
				EOB @ 8'					
				sampled 5-6.5 @1135					

Logged By: Wesley J Bruyn

Checked By: CD O'Connell

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI STH 32	2/25/2013	2/25/2013	GP6-1

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location — State Plane: Easting 2428078 Northing 310810

NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable): ☐ N ☐ S Feet ☐ E ☐ W Feet

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (Ft) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-4' Fill, sand, Fn-med grained, non-plastic, light yellowish brown, no odor, moist, semi dense.		0			1-4'
				4-5' clay/sand, Fn grained w/ some silt, plastic, grey-dark gray staining, very strong petroleum odor, moist, semi dense, stiff		682			4-5'
				5-8' clay, semi plastic, reddish brown, strong petroleum odor, semi moist, stiff, staining @ 5.5' and 6'.		1068			5-6.5'
2	3/3					884			6.5-8'
				EOB @ 8'					
				Sampled 4-5 @ 1200					
				6.5-8 @ 1200					

Logged By: Wesley J Bruce

Checked By:

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI STH 32	2/25/2013	2/25/2013	GP6-2

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location State Plane Easting 2428105 Northing 310853

NW 1/4 of NW 1/4 of Section 6 T 25 N, R 19E

Local Grid Location (If applicable) ☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (ft) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	5/5			0-1' Asphalt					
				1-4.5' clay w/ silt, plastic, reddish brown,		0			1-4.5'
				no odor, moist, semi dense, med stiff		0			4.5-6.5'
				4.5-8' sand w/ some gravel, fn-med grained,		0			6.5-8'
2	3/3			non plastic, light brown to dark brown, no odor, moist, semi dense.					
				EOB @ 8'					
				Sampled 4.5-6.5' @ 1225					

Logged By: Wesley J Berg [signature]

Checked By: [signature]

F-204A (R 12-94)

TRC Field Soil Boring Log Information

TRC Project No:

Page 1 of 1

Project Name	Start Date	End Date	Boring Number
WISDOT-PULASKI STH 32	2/25/2013	2/25/2013	GP6-3

Boring Drilled By	Drilling Method
PROBE TECH, INC.	GEOPROBE

Drill Rig	Common Well Name	Initial Water Level	Surface Elevation	Borehole Diameter
	-	-	-	2 Inches

Boring Location
State Plane Easting 2428088 Northing 310697
NW 1/4 of NW 1/4 of Section 6 T 25 N,R 19E

Local Grid Location (If applicable)
☐ N Feet ☐ S ☐ E Feet ☐ W

County	State	DNR County Code	Civil Town/City/ or Village
BROWN	WI	05	PULASKI

Number	Length (Feet) Recovered	Blow Counts	Depth In Feet	Group Name, Percent & Range of Particle Sizes, Plasticity, Color, Odor, Moisture, Density/Consistency, Additional Comments, Geologic Origin (Stratigraphic Unit)	Sample Type	PID/FID	Standard Penetration	Well Diagram	RQD/ Comments
1	4.5/5			0-1' Asphalt					
				1-4.5' Sandy Fill, fn-med grained, some silt, non-plastic, yellowish brown, no odor, moist, semi dense, med stiff		0			1-4.5'
				4.5-5' clay, plastic, light to dark gray, no odor, moist, semi dense		0			4.5-5'
2	3/3			5-8' clay, non-plastic, reddish brown, no odor, dry, dense, stiff, layer of coarse gravel and med sand @ 5.5'		0			6-8'
				EOB @ 8'					
				Sampled 4.5-5' @ 1235					

Logged By: Wesley J Bucy

Checked By:

F-204A (R 12-94)

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

☐ **Verification Only of Fill and Seal**

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment ☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
BROWN	_ _ _ _ _ _	

Lattitude / Longitude (Degrees and Minutes) — Method Code (see instructions)

_ _ ° _ _ ' _ _ . _ _ _ 'N
_ _ ° _ _ ' _ _ . _ _ _ 'W

¼ / ¼	¼	Section	Township	Range
or Gov't Lot #		1	25 N	19 ☒ E ☐ W

Well Street Address: PULASKI ST. (STH 32)

Well City, Village or Town: PULASKI — Well ZIP Code: 54162

Subdivision Name — Lot #

Reason For Removal From Service: SOIL BORINGS — WI Unique Well # of Replacement Well: _ _ _ _ _ _

2. Facility / Owner Information

Facility Name

Facility ID (FID or PWS)

License/Permit/Monitoring #

Original Well Owner

Present Well Owner: WISCONSIN DOT-NORTHEAST REGION

Mailing Address of Present Owner: 944 VANDERPERREN WAY

City of Present Owner: GREEN BAY — State: WI — ZIP Code: 54304

3. Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 02/25/2013

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug ☒ Other (specify): DIRECT PUSH

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
8 FEET	-
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
2	-

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
-	-

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

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

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

Sealing Materials
☐ Neat Cement Grout ☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Sand-Cement (Concrete) Grout ☐ Bentonite-Sand Slurry " "
☐ Concrete ☒ Bentonite Chips

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

5. Material Used To Fill Well / Drillhole (# of Holes)

Material Used To Fill Well / Drillhole (# of Holes)	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
BENTONITE CHIPS	Surface	8	0.55 ft³/hole	N/A

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
PROBE TECHNOLOGIES INC.		02/25/2013

Street or Route: W1225 S. SHORE DRIVE — Telephone Number: (262) 495-2319

City: PALMYRA — State: WI — ZIP Code: 53156

Signature of Person Doing Work: Wesley J Bruyr / TRC Corp. — Date Signed: 3/15/13

DNR Use Only

Date Received	Noted By
Comments	

Instructions

Well Filling and Sealing

Wisconsin Administrative Code (NR811, NR 812, and NR 141 requires well owners to permanently fill and seal any unused wells/drillholes/boreholes on their property. **As of June 1, 2008 water supply wells can only be filled and sealed by licensed well drillers and pump installers.**

1. Remove any pump, pump piping, debris or other obstacles that could interfere with the sealing operation.
2. Except when bentonite chips are used, the sealing material must be placed with the use of a conductor (tremie) pipe to fill the entire well column to the top with required sealing material. Refer to NR 812 and NR 141 for more details on filling and sealing requirements.

General Instructions: Fill out Well/Drillhole/Borehole Filling & Sealing Form 3300-005 as completely as possible for each well or borehole filled and sealed. Information should be provided for every box on the form where available. Sign each form. Please note that these forms are subject to change. (Personally identifiable information on these forms is not intended to be used for any other purpose.)

Verification Only of Fill and Seal: If you are only verifying that filling and sealing has previously occurred on a well and are NOT performing any filling and sealing work on the well, check the box near the top of the form. Complete Parts 1 and 2 of the form completely and any information you can provide in Parts 3, 4 and 5. You must provide comments in Part 6 as to the method used to verify both the filling and sealing of the well. Complete Part 7, excluding the date of Filling and Sealing. It will be implied that you did not do the filling and sealing work as stated in Part 7.

Route to: Check the appropriate routing box on the top of the form to assure proper routing to the DNR program requiring this well be filled and sealed. Mail the form and any attachments to the Department of Natural Resources, PO Box 7921, Madison, WI 53707-7921.

If you do any work to fill or seal the well, you must complete this form as intended and do not check the Verification Only of Fill and Seal box.

(1) **WELL LOCATION INFORMATION**

WI Unique Well #: Fill in the 2 alphabetic and 3 numeric Wisconsin Unique Well Number (WUWN) of the well being filled and sealed. Check the well, sample tap in the house or the fuse box for a WUWN if one has been assigned to the well.

Hicap #: If this was a high capacity well, enter the number assigned to the well by the Department.

Well Location: The well location can be determined by latitude and longitude coordinates in degrees and decimal minutes (to the thousandths, for example, latitude 43°04.347'N longitude 89°24.803'W) using a Global Positioning System (GPS) unit. If using GPS, check the method code for the GPS unit. The location can also be determined using Public Land Survey (Gov't Lot or ¼ /¼, ¼, Section, Township and Range).

Method Code: This field lists data collection method codes for latitude and longitude coordinates. This field must be entered if a latitude/longitude coordinate is entered.

GPS006 - Mapping or recreational grade GPS receiver with no differential correction and selective availability off
GPS007 - Mapping or recreational grade GPS receiver with no differential correction and selective availability on
GPS008 - GPS receiver grade and or differential correction procedures unknown

(2) **FACILITY / OWNER INFORMATION**

If the well is located at a commercial or government facility, fill in the name of landfill, wastewater treatment facility, surface impoundment, spill or project.

Facility ID: Fill in the nine digits Facility ID (FID or PWS) assigned to the site by the Department.

License/Permit/Monitoring #: Fill in number assigned to facility by the Department. If unknown, leave blank.

Present Well Owner: Fill in the name, address, city, state and ZIP code of the present owner.

(3) **WELL/DRILLHOLE/BOREHOLE INFORMATION**

Original Construction Date: Fill in the original date of construction for the well or boring in mm/dd/yyyy format.

Depth to Water: Enter depth to water from ground surface.

(4) **PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL:** Check only one box where Yes, No or Not Applicable is indicated. Check all boxes which apply otherwise.

(5) **MATERIAL USED TO FILL THE WELL/DRILLHOLE:** Enter the description of the filling material, the depth From and To, circle one measurement unit (Yards, Sacks or Volume), and enter the mix ratio or mud weight (in pounds per gallon).

(6) **COMMENTS:** Describe any of the above boxes in more detail or add information as required to describe the filling and sealing procedures.

(7) **NAME OF PERSON OR FIRM DOING SEALING WORK:** Enter the name (first and last) or firm name, address, and phone number of the person who supervised the work.

Date of Filling & Sealing: List Month/Day/Year (mm/dd/yyyy) the well was filled & sealed.

Appendix F
Waste Inventory Records

NOTE: Laboratory data is included in Appendix G.

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NONEREQUIRED	1	(877) 818-0087	ZZ 00321061

GENERATOR

5. Generator's Name and Mailing Address

WI DOT-STH32-PULASKI STREET
ATTN: SHAR TEBBEST
PO BOX 7965 ROOM 451
MADISON, WI 53707

Generator's Phone: 608 234-7374

Generator's Site Address (if different than mailing address)

WI DOT-STH32-PULASKI STREET
STH 32 PULASKI, WI
PORJECT ID #9190-13-71
PULASKI, WI 54162

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS, W124 N9451 BOUNDARY, MENOMONEE FALLS, WI 53051 — U.S. EPA ID Number: WID003967148

Facility's Phone: 262 255-6655

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON-REGULATED MATERIAL, NON-RCRA, NON-DOT., (SOIL)	3	DF	140	P	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: ER Service Contracted by VESTS + ER SERVICES CONTRACTED BY VESTS OU
36190 WI FIELD SERVICES *STATE WASTE* + 1) W:377213 A:CWDSGRNHS

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Kenneth Gruennert on Behalf of WI DOT — Signature — Month 3 Day 22 Year 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: Kenneth Gruennert — Signature — Month 3 Day 22 Year 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY TO GENERATOR

Appendix G
Analytical Results

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

March 07, 2013

ALYSSA SELLWOOD
TRC - Madison
744 HEARTLAND TRAIL
Madison, WI 53717

RE: Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Dear ALYSSA SELLWOOD:
Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Tod Noltemeyer

Tod Noltemeyer

tod.noltemeyer@pacelabs.com
Project Manager

Enclosures

cc: Wes Braga, TRC

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4074424001	**GP5-1 (5.5-7.5')**	Solid	02/25/13 10:15	02/28/13 09:35
4074424002	**GP5-2 (5-6')**	Solid	02/25/13 11:00	02/28/13 09:35
4074424003	**GP5-2 (6-8')**	Solid	02/25/13 11:00	02/28/13 09:35
4074424004	**GP5-3 (6.5-8')**	Solid	02/25/13 11:25	02/28/13 09:35
4074424005	**GP5-4 (5-6.5')**	Solid	02/25/13 11:35	02/28/13 09:35
4074424006	**GP6-1 (4-5')**	Solid	02/25/13 12:00	02/28/13 09:35
4074424007	**GP6-1 (6.5-8')**	Solid	02/25/13 12:00	02/28/13 09:35
4074424008	**GP6-2 (4.5-6.5')**	Solid	02/25/13 12:25	02/28/13 09:35
4074424009	**GP6-3 (4-5')**	Solid	02/25/13 12:35	02/28/13 09:35
4074424010	**GP4-1 (5-7.5')**	Solid	02/25/13 13:35	02/28/13 09:35
4074424011	**GP4-2 (5-7.5')**	Solid	02/25/13 13:55	02/28/13 09:35
4074424012	**GP3-1 (3.5-5')**	Solid	02/25/13 14:35	02/28/13 09:35
4074424013	**GP3-1 (5-6')**	Solid	02/25/13 14:35	02/28/13 09:35
4074424014	**GP3-2 (3-5')**	Solid	02/25/13 15:35	02/28/13 09:35
4074424015	**GP3-3 (2.5-5')**	Solid	02/25/13 15:40	02/28/13 09:35
4074424016	**GP2-1 (7-8')**	Solid	02/25/13 16:00	02/28/13 09:35
4074424017	**GP2-2 (5-6.5')**	Solid	02/25/13 16:25	02/28/13 09:35
4074424018	**GP1-1 (2.5-5')**	Solid	02/25/13 16:35	02/28/13 09:35
4074424019	**GP1-2 (2.5-5')**	Solid	02/25/13 16:45	02/28/13 09:35

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SAMPLE ANALYTE COUNT

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4074424001	**GP5-1 (5.5-7.5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424002	**GP5-2 (5-6')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424003	**GP5-2 (6-8')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424004	**GP5-3 (6.5-8')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424005	**GP5-4 (5-6.5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424006	**GP6-1 (4-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424007	**GP6-1 (6.5-8')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424008	**GP6-2 (4.5-6.5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424009	**GP6-3 (4-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424010	**GP4-1 (5-7.5')**	WI MOD DRO	DAL	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424011	**GP4-2 (5-7.5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424012	**GP3-1 (3.5-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424013	**GP3-1 (5-6')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424014	**GP3-2 (3-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424015	**GP3-3 (2.5-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424016	**GP2-1 (7-8')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424017	**GP2-2 (5-6.5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424018	**GP1-1 (2.5-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
4074424019	**GP1-2 (2.5-5')**	WI MOD DRO	DAL	1	PASI-G
		WI MOD GRO	MRS	10	PASI-G

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SAMPLE ANALYTE COUNT

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	SKW	1	PASI-G

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PROJECT NARRATIVE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: TRC - MADISON
Date: March 07, 2013

General Information:
19 samples were analyzed for WI MOD DRO. All samples were received in acceptable condition with any exceptions noted below.

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 WI MOD DRO 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.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: OEXT/17614

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- LCS (Lab ID: 755788)
  - Diesel Range Organics

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

Additional Comments:

Analyte Comments:

QC Batch: OEXT/17614

3q: The sample weight in the container did not meet method specifications. Sample was sub-sampled to meet method criteria.
- GP3-1 (3.5-5') (Lab ID: 4074424012)
  - Diesel Range Organics

T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
- GP2-1 (7-8') (Lab ID: 4074424016)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Method: **WI MOD DRO**
Description: WIDRO GCS
Client: TRC - MADISON
Date: March 07, 2013

Analyte Comments:

QC Batch: OEXT/17614

T4: Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.

- GP2-2 (5-6.5') (Lab ID: 4074424017)
  - Diesel Range Organics
- GP3-1 (5-6') (Lab ID: 4074424013)
  - Diesel Range Organics
- GP3-2 (3-5') (Lab ID: 4074424014)
  - Diesel Range Organics
- GP3-3 (2.5-5') (Lab ID: 4074424015)
  - Diesel Range Organics
- GP4-1 (5-7.5') (Lab ID: 4074424010)
  - Diesel Range Organics
- GP5-1 (5.5-7.5') (Lab ID: 4074424001)
  - Diesel Range Organics
- GP5-2 (5-6') (Lab ID: 4074424002)
  - Diesel Range Organics
- GP5-2 (6-8') (Lab ID: 4074424003)
  - Diesel Range Organics
- GP5-3 (6.5-8') (Lab ID: 4074424004)
  - Diesel Range Organics
- GP6-1 (4-5') (Lab ID: 4074424006)
  - Diesel Range Organics
- GP6-1 (6.5-8') (Lab ID: 4074424007)
  - Diesel Range Organics
- GP6-2 (4.5-6.5') (Lab ID: 4074424008)
  - Diesel Range Organics

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PROJECT NARRATIVE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: TRC - MADISON
Date: March 07, 2013

General Information:
19 samples were analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- GP5-3 (6.5-8') (Lab ID: 4074424004)

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 TPH GRO/PVOC WI ext. 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.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: GCV/9860

S7: Surrogate recovery outside control limits (not confirmed by re-analysis).
- GP2-2 (5-6.5') (Lab ID: 4074424017)
  - a,a,a-Trifluorotoluene (S)

Method Blank:
All analytes were below the report limit in the method blank 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:

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PROJECT NARRATIVE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: TRC - MADISON
Date: March 07, 2013

Analyte Comments:

QC Batch: GCV/9860

1q: Sample vial was received with a reversed septa, which prevented an airtight seal.
- GP5-1 (5.5-7.5') (Lab ID: 4074424001)
  - a,a,a-Trifluorotoluene (S)

2q: Sample was sub sampled from a dry weight container
- GP5-3 (6.5-8') (Lab ID: 4074424004)
  - a,a,a-Trifluorotoluene (S)

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PROJECT NARRATIVE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Method: **EPA 6010**
Description: 6010 MET ICP
Client: TRC - MADISON
Date: March 07, 2013

General Information:
19 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

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 3050 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 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.

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP5-1 (5.5-7.5') **Lab ID: 4074424001** Collected: 02/25/13 10:15 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**35.9**	mg/kg	1.9	0.96	1	03/04/13 07:26	03/05/13 08:56		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:58	71-43-2	W
Ethylbenzene	**259**	ug/kg	71.0	29.6	1	03/01/13 07:58	03/01/13 14:58	100-41-4	
Gasoline Range Organics	**20.0**	mg/kg	3.0	3.0	1	03/01/13 07:58	03/01/13 14:58		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:58	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:58	108-88-3	W
1,2,4-Trimethylbenzene	**1640**	ug/kg	71.0	29.6	1	03/01/13 07:58	03/01/13 14:58	95-63-6	
1,3,5-Trimethylbenzene	**165**	ug/kg	71.0	29.6	1	03/01/13 07:58	03/01/13 14:58	108-67-8	
m&p-Xylene	**396**	ug/kg	142	59.2	1	03/01/13 07:58	03/01/13 14:58	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:58	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%.	80-120		1	03/01/13 07:58	03/01/13 14:58	98-08-8	1q
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**16.6**	mg/kg	1.2	0.34	1	03/01/13 10:50	03/01/13 16:56	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.5**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP5-2 (5-6') **Lab ID: 4074424002** Collected: 02/25/13 11:00 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**12.8**	mg/kg	1.8	0.91	1	03/04/13 07:26	03/05/13 09:02		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<50.0**	ug/kg	120	50.0	2	03/01/13 07:58	03/01/13 15:49	71-43-2	W
Ethylbenzene	**852**	ug/kg	137	57.0	2	03/01/13 07:58	03/01/13 15:49	100-41-4	
Gasoline Range Organics	**109**	mg/kg	5.7	5.7	2	03/01/13 07:58	03/01/13 15:49		
Methyl-tert-butyl ether	**<50.0**	ug/kg	120	50.0	2	03/01/13 07:58	03/01/13 15:49	1634-04-4	W
Toluene	**65.7J**	ug/kg	137	57.0	2	03/01/13 07:58	03/01/13 15:49	108-88-3	
1,2,4-Trimethylbenzene	**1070**	ug/kg	137	57.0	2	03/01/13 07:58	03/01/13 15:49	95-63-6	
1,3,5-Trimethylbenzene	**1710**	ug/kg	137	57.0	2	03/01/13 07:58	03/01/13 15:49	108-67-8	
m&p-Xylene	**539**	ug/kg	274	114	2	03/01/13 07:58	03/01/13 15:49	179601-23-1	
o-Xylene	**394**	ug/kg	137	57.0	2	03/01/13 07:58	03/01/13 15:49	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	115	%.	80-120		2	03/01/13 07:58	03/01/13 15:49	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.6**	mg/kg	1.1	0.33	1	03/01/13 10:50	03/01/13 17:02	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP5-2 (6-8') **Lab ID: 4074424003** Collected: 02/25/13 11:00 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**7.0**	mg/kg	1.6	0.79	1	03/04/13 07:26	03/05/13 09:07		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<50.0**	ug/kg	120	50.0	2	03/01/13 07:58	03/01/13 17:31	71-43-2	W
Ethylbenzene	**5700**	ug/kg	131	54.6	2	03/01/13 07:58	03/01/13 17:31	100-41-4	
Gasoline Range Organics	**180**	mg/kg	5.5	5.5	2	03/01/13 07:58	03/01/13 17:31		
Methyl-tert-butyl ether	**103J**	ug/kg	131	54.6	2	03/01/13 07:58	03/01/13 17:31	1634-04-4	
Toluene	**183**	ug/kg	131	54.6	2	03/01/13 07:58	03/01/13 17:31	108-88-3	
1,2,4-Trimethylbenzene	**12700**	ug/kg	131	54.6	2	03/01/13 07:58	03/01/13 17:31	95-63-6	
1,3,5-Trimethylbenzene	**4230**	ug/kg	131	54.6	2	03/01/13 07:58	03/01/13 17:31	108-67-8	
m&p-Xylene	**16500**	ug/kg	262	109	2	03/01/13 07:58	03/01/13 17:31	179601-23-1	
o-Xylene	**3130**	ug/kg	131	54.6	2	03/01/13 07:58	03/01/13 17:31	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	111	%.	80-120		2	03/01/13 07:58	03/01/13 17:31	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.1**	mg/kg	0.98	0.29	1	03/01/13 10:50	03/01/13 17:04	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.4**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP5-3 (6.5-8') **Lab ID: 4074424004** Collected: 02/25/13 11:25 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**66.3**	mg/kg	3.2	1.6	2	03/04/13 07:26	03/05/13 11:43		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<100**	ug/kg	240	100	4	03/01/13 07:58	03/01/13 18:47	71-43-2	W
Ethylbenzene	**15800**	ug/kg	264	110	4	03/01/13 07:58	03/01/13 18:47	100-41-4	
Gasoline Range Organics	**678**	mg/kg	11.0	11.0	4	03/01/13 07:58	03/01/13 18:47		
Methyl-tert-butyl ether	**323**	ug/kg	264	110	4	03/01/13 07:58	03/01/13 18:47	1634-04-4	
Toluene	**403**	ug/kg	264	110	4	03/01/13 07:58	03/01/13 18:47	108-88-3	
1,2,4-Trimethylbenzene	**47000**	ug/kg	264	110	4	03/01/13 07:58	03/01/13 18:47	95-63-6	
1,3,5-Trimethylbenzene	**16000**	ug/kg	264	110	4	03/01/13 07:58	03/01/13 18:47	108-67-8	
m&p-Xylene	**40400**	ug/kg	529	220	4	03/01/13 07:58	03/01/13 18:47	179601-23-1	
o-Xylene	**2570**	ug/kg	264	110	4	03/01/13 07:58	03/01/13 18:47	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	116	%.	80-120		4	03/01/13 07:58	03/01/13 18:47	98-08-8	2q,P4
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**4.1**	mg/kg	1.1	0.32	1	03/01/13 11:55	03/01/13 18:45	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.2**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP5-4 (5-6.5') **Lab ID: 4074424005** Collected: 02/25/13 11:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.2**	mg/kg	2.4	1.2	1	03/04/13 07:26	03/05/13 09:19		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	100-41-4	W
Gasoline Range Organics	**<2.8**	mg/kg	2.8	2.8	1	03/01/13 07:58	03/01/13 11:34		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 11:34	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 11:34	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	03/01/13 07:58	03/01/13 11:34	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.4**	mg/kg	1.1	0.31	1	03/01/13 10:50	03/01/13 17:11	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.1**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP6-1 (4-5') **Lab ID: 4074424006** Collected: 02/25/13 12:00 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**92.9**	mg/kg	3.8	1.9	2	03/04/13 07:26	03/05/13 11:49		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**565J**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	71-43-2	
Ethylbenzene	**7190**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	100-41-4	
Gasoline Range Organics	**1710**	mg/kg	30.8	30.8	10	03/01/13 07:58	03/01/13 17:05		
Methyl-tert-butyl ether	**481J**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	1634-04-4	
Toluene	**779**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	108-88-3	
1,2,4-Trimethylbenzene	**12300**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	95-63-6	
1,3,5-Trimethylbenzene	**7970**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	108-67-8	
m&p-Xylene	**9850**	ug/kg	1480	616	10	03/01/13 07:58	03/01/13 17:05	179601-23-1	
o-Xylene	**4510**	ug/kg	739	308	10	03/01/13 07:58	03/01/13 17:05	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	112	%.	80-120		10	03/01/13 07:58	03/01/13 17:05	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**7.2**	mg/kg	1.1	0.32	1	03/01/13 10:50	03/01/13 17:13	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.8**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP6-1 (6.5-8') **Lab ID: 4074424007** Collected: 02/25/13 12:00 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**19.1**	mg/kg	1.7	0.84	1	03/04/13 07:26	03/05/13 09:31		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**126J**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	71-43-2	
Ethylbenzene	**6610**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	100-41-4	
Gasoline Range Organics	**510**	mg/kg	10.8	10.8	4	03/01/13 07:58	03/01/13 18:22		
Methyl-tert-butyl ether	**196J**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	1634-04-4	
Toluene	**1900**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	108-88-3	
1,2,4-Trimethylbenzene	**10400**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	95-63-6	
1,3,5-Trimethylbenzene	**5110**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	108-67-8	
m&p-Xylene	**15100**	ug/kg	521	217	4	03/01/13 07:58	03/01/13 18:22	179601-23-1	
o-Xylene	**5150**	ug/kg	260	108	4	03/01/13 07:58	03/01/13 18:22	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%.	80-120		4	03/01/13 07:58	03/01/13 18:22	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.8**	mg/kg	1.0	0.29	1	03/01/13 10:50	03/01/13 17:15	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP6-2 (4.5-6.5') **Lab ID: 4074424008** Collected: 02/25/13 12:25 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**8.8**	mg/kg	2.3	1.1	1	03/04/13 07:26	03/05/13 09:36		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	100-41-4	W
Gasoline Range Organics	**<2.8**	mg/kg	2.8	2.8	1	03/01/13 07:58	03/01/13 12:00		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 12:00	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:00	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%.	80-120		1	03/01/13 07:58	03/01/13 12:00	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**5.8**	mg/kg	1.1	0.32	1	03/01/13 10:50	03/01/13 17:18	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.7**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP6-3 (4-5') **Lab ID: 4074424009** Collected: 02/25/13 12:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**2.4J**	mg/kg	3.0	1.5	1	03/04/13 07:26	03/05/13 09:42		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	100-41-4	W
Gasoline Range Organics	**<3.5**	mg/kg	3.5	3.5	1	03/01/13 07:58	03/01/13 12:25		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 12:25	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:25	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	03/01/13 07:58	03/01/13 12:25	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**84.0**	mg/kg	1.3	0.38	1	03/01/13 10:50	03/01/13 17:20	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.8**	%	0.10	0.10	1		03/04/13 14:58		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP4-1 (5-7.5') **Lab ID: 4074424010** Collected: 02/25/13 13:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**6.8**	mg/kg	2.2	1.1	1	03/04/13 07:26	03/05/13 09:48		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	100-41-4	W
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	03/01/13 07:58	03/01/13 12:51		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 12:51	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 12:51	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	03/01/13 07:58	03/01/13 12:51	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.7**	mg/kg	1.1	0.31	1	03/01/13 10:50	03/01/13 17:22	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.9**	%	0.10	0.10	1		03/04/13 14:59		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP4-2 (5-7.5') **Lab ID: 4074424011** Collected: 02/25/13 13:55 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.1J**	mg/kg	1.6	0.81	1	03/04/13 07:26	03/05/13 09:54		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	100-41-4	W
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	03/01/13 07:58	03/01/13 10:18		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 10:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:18	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	03/01/13 07:58	03/01/13 10:18	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.9**	mg/kg	0.95	0.28	1	03/01/13 10:50	03/01/13 17:25	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.6**	%	0.10	0.10	1		03/04/13 14:59		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP3-1 (3.5-5') **Lab ID: 4074424012** Collected: 02/25/13 14:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.1**	mg/kg	2.1	1.1	1	03/04/13 07:26	03/05/13 10:00		3q,L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**88.5**	ug/kg	70.5	29.4	1	03/01/13 07:58	03/01/13 10:43	71-43-2	
Ethylbenzene	**284**	ug/kg	70.5	29.4	1	03/01/13 07:58	03/01/13 10:43	100-41-4	
Gasoline Range Organics	**36.5**	mg/kg	2.9	2.9	1	03/01/13 07:58	03/01/13 10:43		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 10:43	1634-04-4	W
Toluene	**51.5J**	ug/kg	70.5	29.4	1	03/01/13 07:58	03/01/13 10:43	108-88-3	
1,2,4-Trimethylbenzene	**780**	ug/kg	70.5	29.4	1	03/01/13 07:58	03/01/13 10:43	95-63-6	
1,3,5-Trimethylbenzene	**440**	ug/kg	70.5	29.4	1	03/01/13 07:58	03/01/13 10:43	108-67-8	
m&p-Xylene	**706**	ug/kg	141	58.8	1	03/01/13 07:58	03/01/13 10:43	179601-23-1	
o-Xylene	**176**	ug/kg	70.5	29.4	1	03/01/13 07:58	03/01/13 10:43	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	108	%.	80-120		1	03/01/13 07:58	03/01/13 10:43	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**8.3**	mg/kg	1.1	0.31	1	03/01/13 10:50	03/01/13 17:27	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.9**	%	0.10	0.10	1		03/04/13 14:59		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP3-1 (5-6') **Lab ID: 4074424013** Collected: 02/25/13 14:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**118**	mg/kg	5.6	2.8	3	03/04/13 07:26	03/05/13 10:52		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**1220**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	71-43-2	
Ethylbenzene	**8780**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	100-41-4	
Gasoline Range Organics	**1100**	mg/kg	29.3	29.3	10	03/01/13 07:58	03/01/13 16:40		
Methyl-tert-butyl ether	**307J**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	1634-04-4	
Toluene	**584J**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	108-88-3	
1,2,4-Trimethylbenzene	**20300**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	95-63-6	
1,3,5-Trimethylbenzene	**9800**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	108-67-8	
m&p-Xylene	**24900**	ug/kg	1410	586	10	03/01/13 07:58	03/01/13 16:40	179601-23-1	
o-Xylene	**10100**	ug/kg	704	293	10	03/01/13 07:58	03/01/13 16:40	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	111	%.	80-120		10	03/01/13 07:58	03/01/13 16:40	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**7.8**	mg/kg	1.2	0.34	1	03/01/13 10:50	03/01/13 17:29	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.7**	%	0.10	0.10	1		03/04/13 14:59		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP3-2 (3-5') **Lab ID: 4074424014** Collected: 02/25/13 15:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**43.1**	mg/kg	2.5	1.2	1	03/04/13 07:26	03/05/13 10:11		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	100-41-4	W
Gasoline Range Organics	**<3.0**	mg/kg	3.0	3.0	1	03/01/13 07:58	03/01/13 13:16		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 13:16	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:16	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	03/01/13 07:58	03/01/13 13:16	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**25.7**	mg/kg	1.1	0.33	1	03/01/13 10:50	03/01/13 17:31	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.0**	%	0.10	0.10	1		03/04/13 14:59		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP3-3 (2.5-5') **Lab ID: 4074424015** Collected: 02/25/13 15:40 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**1.9**	mg/kg	1.8	0.88	1	03/04/13 07:26	03/05/13 10:17		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 17:56	71-43-2	W
Ethylbenzene	**696**	ug/kg	66.7	27.8	1	03/01/13 07:58	03/01/13 17:56	100-41-4	
Gasoline Range Organics	**107**	mg/kg	2.8	2.8	1	03/01/13 07:58	03/01/13 17:56		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 17:56	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 17:56	108-88-3	W
1,2,4-Trimethylbenzene	**1810**	ug/kg	66.7	27.8	1	03/01/13 07:58	03/01/13 17:56	95-63-6	
1,3,5-Trimethylbenzene	**815**	ug/kg	66.7	27.8	1	03/01/13 07:58	03/01/13 17:56	108-67-8	
m&p-Xylene	**1370**	ug/kg	133	55.5	1	03/01/13 07:58	03/01/13 17:56	179601-23-1	
o-Xylene	**444**	ug/kg	66.7	27.8	1	03/01/13 07:58	03/01/13 17:56	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	112	%.	80-120		1	03/01/13 07:58	03/01/13 17:56	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**11.4**	mg/kg	1.0	0.30	1	03/01/13 10:50	03/01/13 17:38	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10**	%	0.10	0.10	1		03/04/13 14:59		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP2-1 (7-8') **Lab ID: 4074424016** Collected: 02/25/13 16:00 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**5.6**	mg/kg	2.3	1.1	1	03/04/13 07:26	03/05/13 10:23		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 15:23	71-43-2	W
Ethylbenzene	**56.4J**	ug/kg	72.0	30.0	1	03/01/13 07:58	03/01/13 15:23	100-41-4	
Gasoline Range Organics	**23.5**	mg/kg	3.0	3.0	1	03/01/13 07:58	03/01/13 15:23		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 15:23	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 15:23	108-88-3	W
1,2,4-Trimethylbenzene	**1370**	ug/kg	72.0	30.0	1	03/01/13 07:58	03/01/13 15:23	95-63-6	
1,3,5-Trimethylbenzene	**377**	ug/kg	72.0	30.0	1	03/01/13 07:58	03/01/13 15:23	108-67-8	
m&p-Xylene	**206**	ug/kg	144	60.0	1	03/01/13 07:58	03/01/13 15:23	179601-23-1	
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 15:23	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	03/01/13 07:58	03/01/13 15:23	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**7.1**	mg/kg	1.1	0.33	1	03/01/13 10:50	03/01/13 17:40	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.6**	%	0.10	0.10	1		03/04/13 16:06		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP2-2 (5-6.5') **Lab ID: 4074424017** Collected: 02/25/13 16:25 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**59.8**	mg/kg	1.8	0.89	1	03/04/13 07:26	03/05/13 10:29		L2,T4
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<200**	ug/kg	480	200	8	03/01/13 07:58	03/01/13 16:15	71-43-2	W
Ethylbenzene	**5610**	ug/kg	561	234	8	03/01/13 07:58	03/01/13 16:15	100-41-4	
Gasoline Range Organics	**628**	mg/kg	23.4	23.4	8	03/01/13 07:58	03/01/13 16:15		
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	03/01/13 07:58	03/01/13 16:15	1634-04-4	W
Toluene	**306J**	ug/kg	561	234	8	03/01/13 07:58	03/01/13 16:15	108-88-3	
1,2,4-Trimethylbenzene	**35500**	ug/kg	561	234	8	03/01/13 07:58	03/01/13 16:15	95-63-6	
1,3,5-Trimethylbenzene	**14300**	ug/kg	561	234	8	03/01/13 07:58	03/01/13 16:15	108-67-8	
m&p-Xylene	**15400**	ug/kg	1120	468	8	03/01/13 07:58	03/01/13 16:15	179601-23-1	
o-Xylene	**<200**	ug/kg	480	200	8	03/01/13 07:58	03/01/13 16:15	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	123	%.	80-120		8	03/01/13 07:58	03/01/13 16:15	98-08-8	S7
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**6.1**	mg/kg	1.0	0.30	1	03/01/13 10:50	03/01/13 17:43	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.5**	%	0.10	0.10	1		03/04/13 16:07		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP1-1 (2.5-5') **Lab ID: 4074424018** Collected: 02/25/13 16:35 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.2**	mg/kg	2.5	1.2	1	03/04/13 07:26	03/05/13 10:35		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	100-41-4	W
Gasoline Range Organics	**<3.1**	mg/kg	3.1	3.1	1	03/01/13 07:58	03/01/13 13:42		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 13:42	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 13:42	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%.	80-120		1	03/01/13 07:58	03/01/13 13:42	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**7.3**	mg/kg	1.1	0.31	1	03/01/13 10:50	03/01/13 17:45	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.5**	%	0.10	0.10	1		03/04/13 16:07		

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ANALYTICAL RESULTS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Sample: GP1-2 (2.5-5') **Lab ID: 4074424019** Collected: 02/25/13 16:45 Received: 02/28/13 09:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<0.80**	mg/kg	1.6	0.80	1	03/04/13 07:26	03/05/13 10:40		L2
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	100-41-4	W
Gasoline Range Organics	**<2.7**	mg/kg	2.7	2.7	1	03/01/13 07:58	03/01/13 14:07		
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	1634-04-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	03/01/13 07:58	03/01/13 14:07	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	03/01/13 07:58	03/01/13 14:07	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%.	80-120		1	03/01/13 07:58	03/01/13 14:07	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**3.5**	mg/kg	1.0	0.30	1	03/01/13 10:50	03/01/13 17:47	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.0**	%	0.10	0.10	1		03/04/13 16:07		

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QUALITY CONTROL DATA

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

QC Batch: GCV/9860 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424004, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015, 4074424016, 4074424017, 4074424018, 4074424019

METHOD BLANK: 755057 Matrix: Solid
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424004, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015, 4074424016, 4074424017, 4074424018, 4074424019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	03/01/13 09:01	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	03/01/13 09:01	
Benzene	ug/kg	<25.0	60.0	03/01/13 09:01	
Ethylbenzene	ug/kg	<25.0	60.0	03/01/13 09:01	
Gasoline Range Organics	mg/kg	<2.5	2.5	03/01/13 09:01	
m&p-Xylene	ug/kg	<50.0	120	03/01/13 09:01	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	03/01/13 09:01	
o-Xylene	ug/kg	<25.0	60.0	03/01/13 09:01	
Toluene	ug/kg	<25.0	60.0	03/01/13 09:01	
a,a,a-Trifluorotoluene (S)	%.	103	80-120	03/01/13 09:01	

LABORATORY CONTROL SAMPLE & LCSD: 755058 755059

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	1070	1050	107	105	80-120	2	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1080	1040	108	104	80-120	4	20	
Benzene	ug/kg	1000	1100	1080	110	108	80-120	2	20	
Ethylbenzene	ug/kg	1000	1100	1080	110	108	80-120	2	20	
Gasoline Range Organics	mg/kg	10	11.1	11.2	111	112	80-120	0	20	
m&p-Xylene	ug/kg	2000	2240	2180	112	109	80-120	3	20	
Methyl-tert-butyl ether	ug/kg	1000	1100	1070	110	107	80-120	3	20	
o-Xylene	ug/kg	1000	1120	1100	112	110	80-120	2	20	
Toluene	ug/kg	1000	1110	1090	111	109	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%.				102	102	80-120			

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QUALITY CONTROL DATA

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

QC Batch: MPRP/8183 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015, 4074424016, 4074424017, 4074424018, 4074424019

METHOD BLANK: 755120 Matrix: Solid
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015, 4074424016, 4074424017, 4074424018, 4074424019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.29	1.0	03/01/13 16:51	

LABORATORY CONTROL SAMPLE: 755121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	50.3	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 755122 755123

Parameter	Units	4074424001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	16.6	58.7	59	70.4	71.8	92	93	75-125	2	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

QC Batch: MPRP/8184
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 4074424004

METHOD BLANK: 755158 Matrix: Solid
Associated Lab Samples: 4074424004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.29	1.0	03/01/13 17:54	

LABORATORY CONTROL SAMPLE: 755159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 755160 755161

Parameter	Units	4074409001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	30.9	98.9	98.1	108	105	78	76	75-125	3	20	

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QUALITY CONTROL DATA

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

QC Batch: OEXT/17614 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424004, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015, 4074424016, 4074424017, 4074424018, 4074424019

METHOD BLANK: 755787 Matrix: Solid
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424004, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015, 4074424016, 4074424017, 4074424018, 4074424019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<0.99	2.0	03/05/13 08:50	

LABORATORY CONTROL SAMPLE & LCSD: 755788 755789

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	25.3	30.8	63	77	70-120	20	20	L0

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QUALITY CONTROL DATA

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

QC Batch: PMST/8245 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4074424001, 4074424002, 4074424003, 4074424004, 4074424005, 4074424006, 4074424007, 4074424008, 4074424009, 4074424010, 4074424011, 4074424012, 4074424013, 4074424014, 4074424015

SAMPLE DUPLICATE: 756029

Parameter	Units	4074382007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.2	20.9	2	10	

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QUALITY CONTROL DATA

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

QC Batch: PMST/8246 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4074424016, 4074424017, 4074424018, 4074424019

SAMPLE DUPLICATE: 756106

Parameter	Units	4074483014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.6	20.7	4	10	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

QUALIFIERS

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

1q	Sample vial was received with a reversed septa, which prevented an airtight seal.
2q	Sample was sub sampled from a dry weight container
3q	The sample weight in the container did not meet method specifications. Sample was sub-sampled to meet method criteria.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).
T4	Result reported for hydrocarbons within the method-specific range that do not match pattern of laboratory standard.
W	Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4074424001	**GP5-1 (5.5-7.5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424002	**GP5-2 (5-6')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424003	**GP5-2 (6-8')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424004	**GP5-3 (6.5-8')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424005	**GP5-4 (5-6.5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424006	**GP6-1 (4-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424007	**GP6-1 (6.5-8')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424008	**GP6-2 (4.5-6.5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424009	**GP6-3 (4-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424010	**GP4-1 (5-7.5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424011	**GP4-2 (5-7.5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424012	**GP3-1 (3.5-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424013	**GP3-1 (5-6')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424014	**GP3-2 (3-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424015	**GP3-3 (2.5-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424016	**GP2-1 (7-8')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424017	**GP2-2 (5-6.5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424018	**GP1-1 (2.5-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424019	**GP1-2 (2.5-5')**	WI MOD DRO	OEXT/17614	WI MOD DRO	GCSV/9200
4074424001	**GP5-1 (5.5-7.5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424002	**GP5-2 (5-6')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424003	**GP5-2 (6-8')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424004	**GP5-3 (6.5-8')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424005	**GP5-4 (5-6.5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424006	**GP6-1 (4-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424007	**GP6-1 (6.5-8')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424008	**GP6-2 (4.5-6.5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424009	**GP6-3 (4-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424010	**GP4-1 (5-7.5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424011	**GP4-2 (5-7.5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424012	**GP3-1 (3.5-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424013	**GP3-1 (5-6')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424014	**GP3-2 (3-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424015	**GP3-3 (2.5-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424016	**GP2-1 (7-8')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424017	**GP2-2 (5-6.5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424018	**GP1-1 (2.5-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424019	**GP1-2 (2.5-5')**	TPH GRO/PVOC WI ext.	GCV/9860	WI MOD GRO	GCV/9861
4074424001	**GP5-1 (5.5-7.5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424002	**GP5-2 (5-6')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424003	**GP5-2 (6-8')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424004	**GP5-3 (6.5-8')**	EPA 3050	MPRP/8184	EPA 6010	ICP/7203
4074424005	**GP5-4 (5-6.5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424006	**GP6-1 (4-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424007	**GP6-1 (6.5-8')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424008	**GP6-2 (4.5-6.5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424009	**GP6-3 (4-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 201040 WISDOT PULASKI STH32
Pace Project No.: 4074424

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4074424010	**GP4-1 (5-7.5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424011	**GP4-2 (5-7.5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424012	**GP3-1 (3.5-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424013	**GP3-1 (5-6')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424014	**GP3-2 (3-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424015	**GP3-3 (2.5-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424016	**GP2-1 (7-8')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424017	**GP2-2 (5-6.5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424018	**GP1-1 (2.5-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424019	**GP1-2 (2.5-5')**	EPA 3050	MPRP/8183	EPA 6010	ICP/7204
4074424001	**GP5-1 (5.5-7.5')**	ASTM D2974-87	PMST/8245		
4074424002	**GP5-2 (5-6')**	ASTM D2974-87	PMST/8245		
4074424003	**GP5-2 (6-8')**	ASTM D2974-87	PMST/8245		
4074424004	**GP5-3 (6.5-8')**	ASTM D2974-87	PMST/8245		
4074424005	**GP5-4 (5-6.5')**	ASTM D2974-87	PMST/8245		
4074424006	**GP6-1 (4-5')**	ASTM D2974-87	PMST/8245		
4074424007	**GP6-1 (6.5-8')**	ASTM D2974-87	PMST/8245		
4074424008	**GP6-2 (4.5-6.5')**	ASTM D2974-87	PMST/8245		
4074424009	**GP6-3 (4-5')**	ASTM D2974-87	PMST/8245		
4074424010	**GP4-1 (5-7.5')**	ASTM D2974-87	PMST/8245		
4074424011	**GP4-2 (5-7.5')**	ASTM D2974-87	PMST/8245		
4074424012	**GP3-1 (3.5-5')**	ASTM D2974-87	PMST/8245		
4074424013	**GP3-1 (5-6')**	ASTM D2974-87	PMST/8245		
4074424014	**GP3-2 (3-5')**	ASTM D2974-87	PMST/8245		
4074424015	**GP3-3 (2.5-5')**	ASTM D2974-87	PMST/8245		
4074424016	**GP2-1 (7-8')**	ASTM D2974-87	PMST/8246		
4074424017	**GP2-2 (5-6.5')**	ASTM D2974-87	PMST/8246		
4074424018	**GP1-1 (2.5-5')**	ASTM D2974-87	PMST/8246		
4074424019	**GP1-2 (2.5-5')**	ASTM D2974-87	PMST/8246		

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MN: 612-607-1700 **WI:** 920-469-2436

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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

(Please Print Clearly)	
Company Name:	TRC
Branch/Location:	Madison
Project Contact:	Stillwood
Phone:	608 826.3658
Project Number:	201040
Project Name:	WisDOT Pulaski STH32
Project State:	WI
Sampled By (Print):	Bragg
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: RVC 1680	DRO	Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	GP5-1 5.5-7.5	2/25/13	10:15	S	N	F	X	X	X		1-40mlF, 1-4ozcgA, 1-4ozpA	
002	GP5-2 5-6		11:00		N	A	X	X	X			
003	GP5-2 6-8		11:00		N	A	X	X	X			
004	GP5-3 6.5-8		11:25		N	A	X	X	X		C	
005	GP5-4 5.5-6.5'		11:35		N	A	X	X	X			
006	GP6-1 4-5		12:00		N	A	X	X	X			
007	GP6-1 6.5-8		12:00		N	A	X	X	X			
008	GP6-2 4.5-6.5		12:25		N	A	X	X	X			
009	GP6-3 4-5		12:35		N	A	X	X	X			
010	GP4-1 5-7.5'		1:35		N	A	X	X	X			
011	GP4-2 5-7.5		1:55		N	A	X	X	X			
012	GP3-1 3.5-5		2:35		N	A	X	X	X			
013	GP3-1 5-6		2:35		N	A	X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Wesley J Bragg	12/26/13		
Fed Ex	2/28/13 0935	E Helling PaceGB	2/28/13 0935

PACE Project No.: 4074424

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / (Not Present)

Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

(Please Print Clearly)	
Company Name:	TRC
Branch/Location:	Madison
Project Contact:	Sellwood
Phone:	608. 826. 3458
Project Number:	261040
Project Name:	WisDOT Pulaski STH32
Project State:	WI
Sampled By (Print):	Brugo
Sampled By (Sign):	
PO #:	Regulatory Program:

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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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC/GRO	DRO	Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	F	A	A				
014	GB3-2 3-5	2/25/13	3:35	S		X	X	X			1-40mlVF^A, 1-4ozcgA, 1-4ozpA	
015	GP3-3 2.5'-5'	"	3:40	S		X	X	X				
016	GP2-1 7-8'		4:00	S		X	X	X				
017	GP2-2 5-6.5'		4:25	S		X	X	X				
018	GP1-1 2.5-5'		4:35	S		X	X	X				
019	GP1-2 2.5-5	↓	4:45	S		X	X	X				

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Wesley D Brugo	2/26/13		
FedEx	2/28/13 0935	E Kelley PaceGB	2/28/13 0935

PACE Project No.: 4074424
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present; Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Christopher Hyska - TRC soil sample Pulaski 5.3, depth 6.5-8' 4074424

From: Tod Noltemeyer
To: WI Sample Receiving; WI VOA
Date: 2/28/2013 11:31 AM
Subject: TRC soil sample Pulaski 5.3, depth 6.5-8'
CC: Hyska, Christopher

Eric in SR told me the VOA vial for this sample was received broken. I talked to Alyssa Sellwood at TRC about it. She said the material has been sitting around anyway, so she would like us to sub sample for VOAs from one of the other jars on that sample and flag it as needed.

Thanks, Tod

Project Manager
Pace Analytical - WI
6409 Odana Road
Suite E
Madison, WI 53719
(608) 232-3300

Tod.Noltemeyer@pacelabs.com

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: TRC Madison Project # 4004424

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other

Tracking #: 8022 9008 5475

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 N/A Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun.

Cooler Temperature ROT Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Optional
Proj. Due Date:
Proj. Name:

Person examining contents:
Date: 2/28/13
Initials: EMH

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☐Yes ☑No ☐N/A	4. Name only EMH 2/28/13
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☐Yes ☑No ☐N/A	10. 004 1-40mlF broken in shipment EMH 2/28/13
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. 004 1-40zlF only has GPS-3, no depth.
-Includes date/time/ID/Analysis Matrix: S		Matched by time + partial ID. EMH 2/28/13
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Field Data Required? Y / N

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: 001 1-40mlF has a tipped septa EMH 2/28/13

Project Manager Review: Cbf for JN Date: 2/28/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Appendix H
Notification for Hazardous Substance Discharge

Table of Contents

Site #3
118 E. Pulaski Street (Boutique Village)

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

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (05/12) Page 1 of 2

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- ☐ Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- ☐ Aboveground Petroleum Storage Tank System
- ☐ Dry Cleaner Facility
- ☒ Other - Describe: Impacts encountered during subsurface investigation in right-of-way for future highway reconstruction

ATTN DNR: **R & R Program Associate** Date DNR Notified: 03/01/2013

1. Discharge Reported By

Name	Firm	Phone No. (include area code)
WESLEY BRAGA	TRC ENVIORNMENTAL CORPORATION	(608) 826-3693

Mailing Address	Email Address
708 HEARTLAND TRAIL, SUITE 3000, MADISON, WI 53717	WBRAGA@TRCSOLUTIONS.COM

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. BOUTIQUE VILLAGE

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 118 EAST PULASKI STREET, PULASKI, WI 54162

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
Pulaski

County:	Legal Description:	WTM:
Brown	NW 1/4 NW 1/4 Sec 6 Tn 25 Range 19 ○ E ○ W	X 659387 Y 468054

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

WDNR TO DETERMINE RESPONSIBLE PARTY

☐ Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see http://dnr.wi.gov/org/aw/rr/lgu/liability.htm.

Contact Person Name (if different)	Phone Number	Email Address

Mailing Address	City	State	ZIP Code

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary. WISCONSIN DOT CONTACT INFORMATION - WisDOT ID #9190-13-71

Contact Person Name (if different)	Phone Number	Email Address
SHARLENE TEBEEST	(608) 266-1476	SHARLENE.TEBEEST@DOT.WI.GOV

Mailing Address	City	State	ZIP Code
PO BOX 7965	MADISON	WI	53707

(continued)

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

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- ☐ VOC's
- ☐ PAH's
- ☐ Metals (specify): _____
- ☐ Arsenic
- ☐ Chromium
- ☐ Cyanide
- ☐ Lead
- ☐ PCB's
- ☐ Diesel
- ☐ Fuel Oil
- ☐ Gasoline
- ☐ Hydraulic Oil
- ☐ Jet Fuel
- ☐ Mineral Oil
- ☐ Waste Oil
- ☒ Petroleum-Unknown Type
- ☐ PERC (Dry Cleaners)
- ☐ RCRA Hazardous Waste
- ☐ Leachate
- ☐ Fertilizer
- ☐ Pesticide/Herbicide/Insecticide(s)
- ☐ Other (specify): _____
- ☐ Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination (Petroleum & Non-Petroleum)
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Sanitary Sewer Contamination
- K Contamination in Right of Way
- ___ Fire Explosion Threat
- ___ Free Product
- P Groundwater Contamination
- P Off-Site Contamination
- ___ Other (specify): _____
- K Soil Contamination
- ___ Storm Sewer Contamination
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

☐ Tank closure assessment Date _____
☒ Site assessment Date 02/25/2013
☐ Other - Describe: _____ Date _____

Lab results: ☒ Lab results will be faxed upon receipt ☐ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

UST'S NOTED ON 1929 SANDBORN MAP NEAR RIGHT-OF-WAY. SOURCE WAS NOT DETERMINED DURING 2/25/2013 ASSESSMENT. SITE IS DOWNGRADIENT FROM CLOSED BRRTS #03-05-000819.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

☒ Does not apply.

Source

- ☐ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other (specify): _____

Cause

- ☐ Spill
- ☐ Overfill
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Installation Problem
- ☐ Other (does not fit any of above)
- ☐ Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

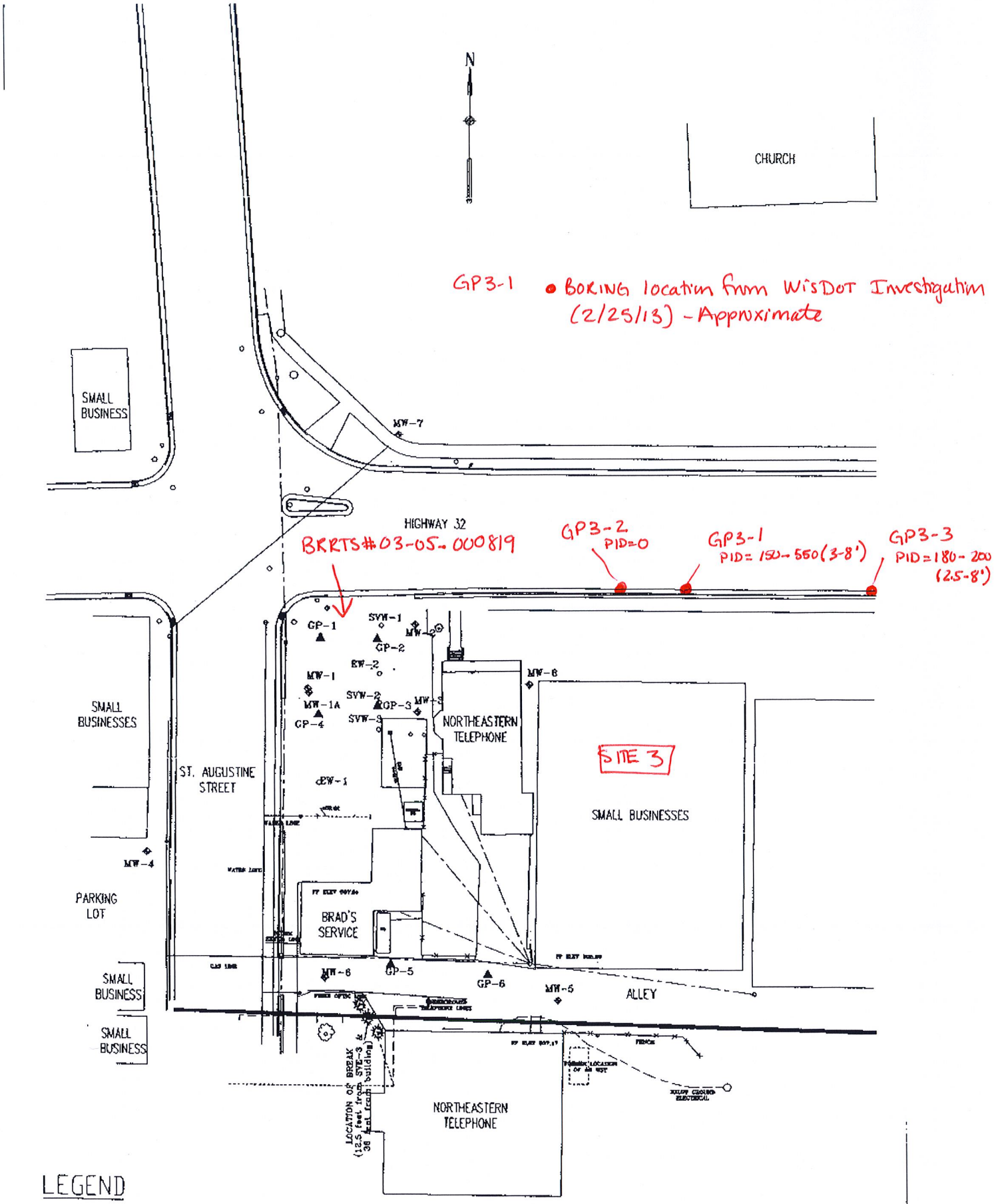
Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

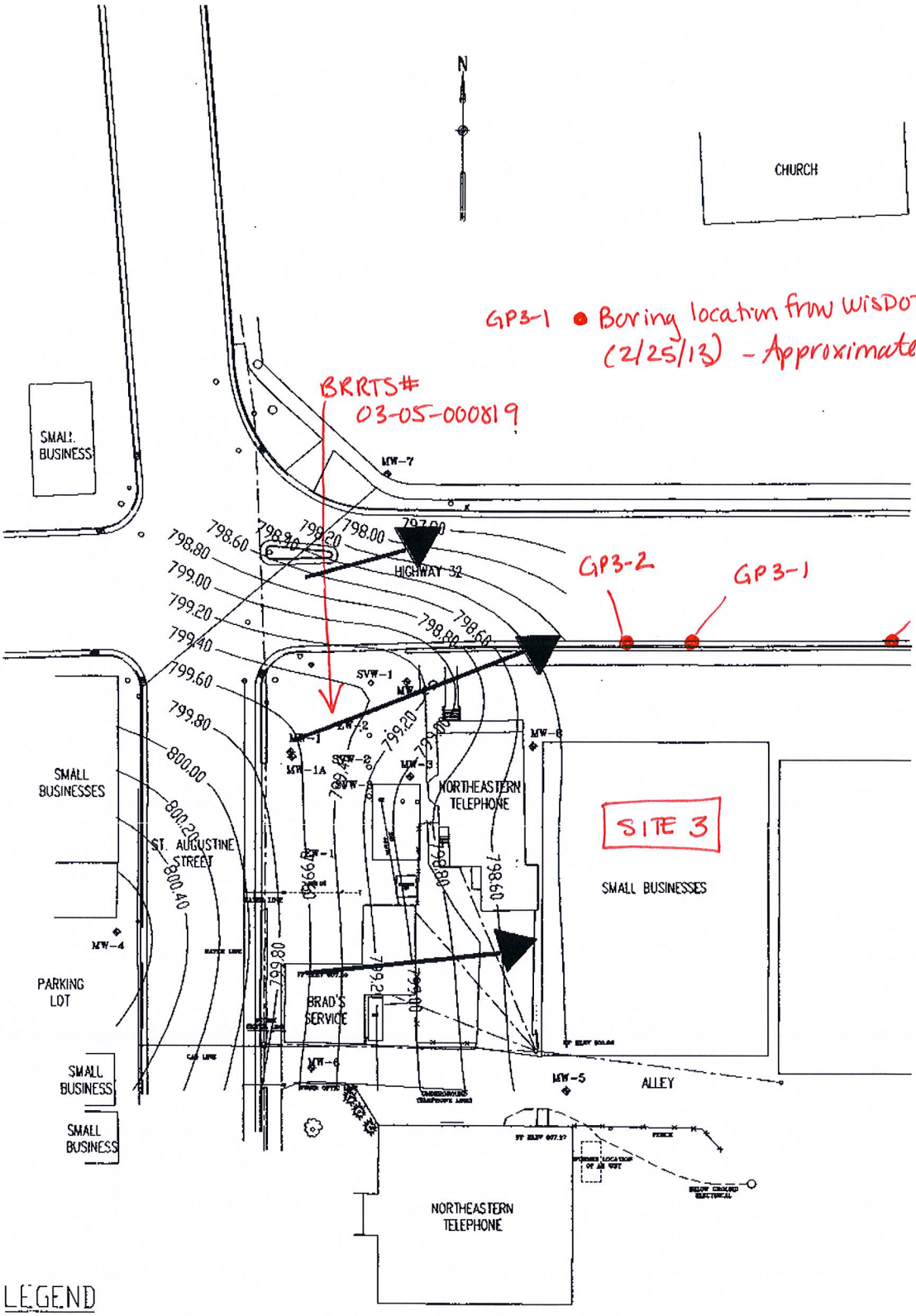
Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties



LEGEND

- OVERHEAD POWER & TELEPHONE
- MONITORING WELL
- SOIL PROBE LOCATION
- STORM SEWER LINE
- GROUNDWATER TRENCH
- SVE LINE

BRAD'S UNION 76 SERVICE – PULASKI, WISCONSIN	
FIGURE 2 SITE PLOT MAP	
SCALE: 1 inch = 70 feet	DATE: MAY 28, 1998
Environmental Compliance Consultants	BY: J Robidoux



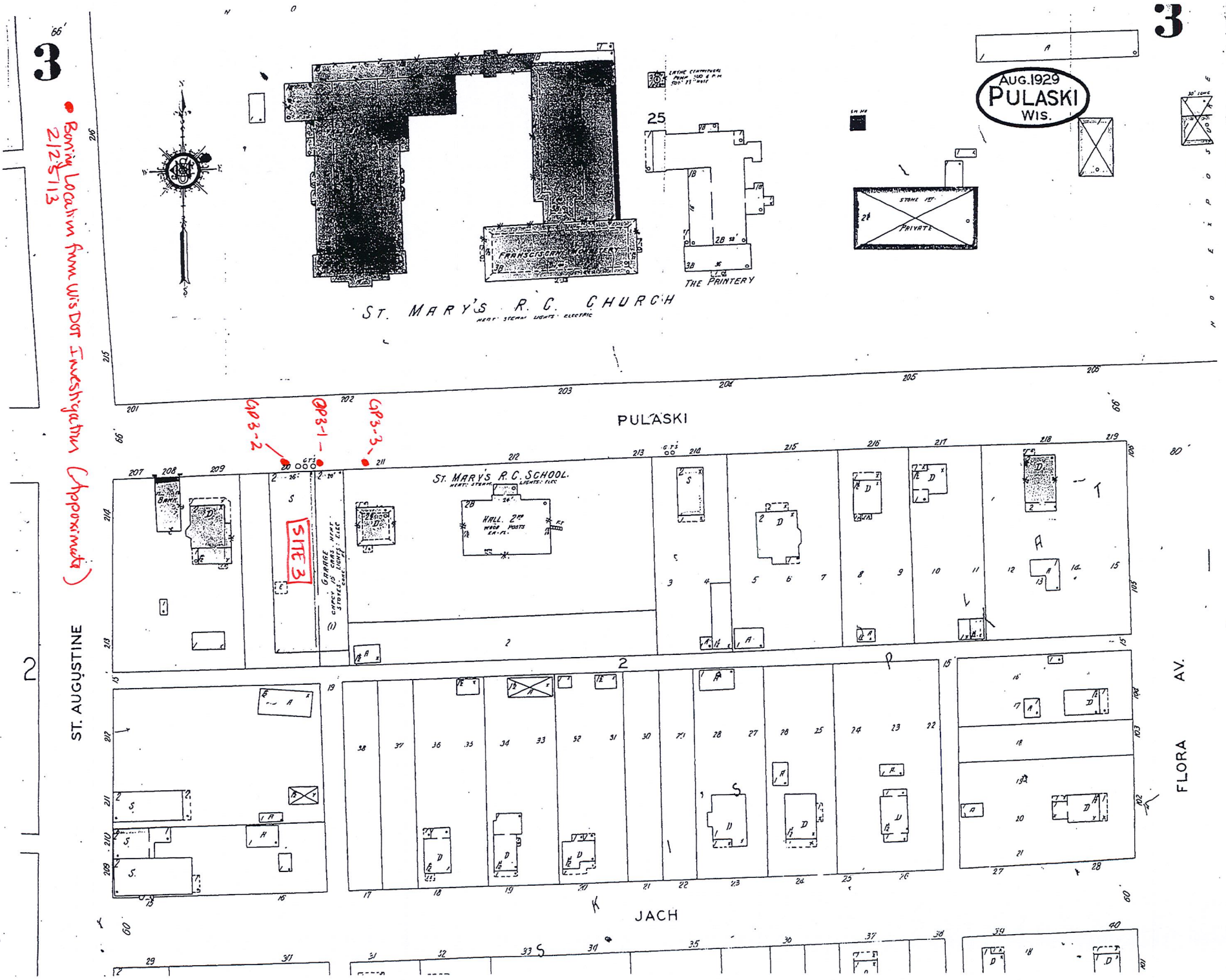
LEGEND

OVERHEAD POWER & TELEPHONE

MONITORING WELL

Groundwater Contour (1 foot interval)

BRAD'S UNION 76 SERVICE - PULASKI, WISCONSIN	
Figure 3 Water Table Map (28-Oct-99)	
SCALE: 1 inch = 70 feet	DATE: MAY 28, 1998
Environmental Compliance Consultants	BY: J Robideau


3
3
AUG. 1929
PULASKI
WIS.
ST. MARY'S R. C. CHURCH
HEAT: STEAM. LIGHTS: ELECTRIC
THE PRINTERY
PRIVATE
PULASKI
ST. MARY'S R. C. SCHOOL.
HEAT: STEAM. LIGHTS: ELEC.
HALL. 2ND
WOOD POSTS
GARAGE
SITE 3
GP3-1
GP3-2
GP3-3
ST. AUGUSTINE
FLORA AV.
JACH
Boring Location from WisDOT Investigation (Approximate)
2/12/13

Site #6
104 S. Wisconsin Street (Trails End Food and Spirits)

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

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (05/12) Page 1 of 2

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

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Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- ☐ Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- ☐ Aboveground Petroleum Storage Tank System
- ☐ Dry Cleaner Facility
- ☒ Other - Describe: Impacts encountered during subsurface investigation in right-of-way for future highway reconstruction

ATTN DNR: **R & R Program Associate** Date DNR Notified: 03/01/2013

1. Discharge Reported By

Name	Firm	Phone No. (include area code)
WESLEY BRAGA	TRC ENVIORNMENTAL CORPORATION	(608) 826-3693

Mailing Address	Email Address
708 HEARTLAND TRAIL, SUITE 3000, MADISON, WI 53717	WBRAGA@TRCSOLUTIONS.COM

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. TRAILS END FOOD AND SPIRITS

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 104 SOUTH WISCONSIN STREET, PULASKI, WI 54162

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
Pulaski

County:	Legal Description:	WTM:
Brown	NW 1/4 NW 1/4 Sec 6 Tn 25 Range 19 ○ E ○ W	X 660045 Y 468048

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

WDNR TO DETERMINE RESPONSIBLE PARTY

☐ Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see http://dnr.wi.gov/org/aw/rr/lgu/liability.htm.

Contact Person Name (if different)	Phone Number	Email Address

Mailing Address	City	State	ZIP Code

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary. WISCONSIN DOT CONTACT INFORMATION - WisDOT ID #9190-13-71

Contact Person Name (if different)	Phone Number	Email Address
SHARLENE TEBEEST	(608) 266-1476	SHARLENE.TEBEEST@DOT.WI.GOV

Mailing Address	City	State	ZIP Code
PO BOX 7965	MADISON	WI	53707

(continued)

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

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- ☐ VOC's
- ☐ PAH's
- ☐ Metals (specify): _____
- ☐ Arsenic
- ☐ Chromium
- ☐ Cyanide
- ☐ Lead
- ☐ PCB's
- ☐ Diesel
- ☐ Fuel Oil
- ☐ Gasoline
- ☐ Hydraulic Oil
- ☐ Jet Fuel
- ☐ Mineral Oil
- ☐ Waste Oil
- ☒ Petroleum-Unknown Type
- ☐ PERC (Dry Cleaners)
- ☐ RCRA Hazardous Waste
- ☐ Leachate
- ☐ Fertilizer
- ☐ Pesticide/Herbicide/Insecticide(s)
- ☐ Other (specify): _____
- ☐ Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination (Petroleum & Non-Petroleum)
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Sanitary Sewer Contamination
- K Contamination in Right of Way
- ___ Fire Explosion Threat
- ___ Free Product
- P Groundwater Contamination
- P Off-Site Contamination
- ___ Other (specify): _____
- ___ Soil Contamination
- P Storm Sewer Contamination
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

☐ Tank closure assessment Date _____

☒ Site assessment Date 02/25/2013

☐ Other - Describe: _____ Date _____

Lab results: ☒ Lab results will be faxed upon receipt ☐ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

SOURCE WAS NOT DETERMINED DURING 2/2/25 ASSESSMENT. UST'S MAY BE PRESENT ON PROPERTY BASED ON PHASE 1 ESA INTERVIEW. SITE IS ADJACENT TO CLOSED BRRTS #03-05-096591.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

☒ Does not apply.

Source

- ☐ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other (specify): _____

Cause

- ☐ Spill
- ☐ Overfill
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Installation Problem
- ☐ Other (does not fit any of above)
- ☐ Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

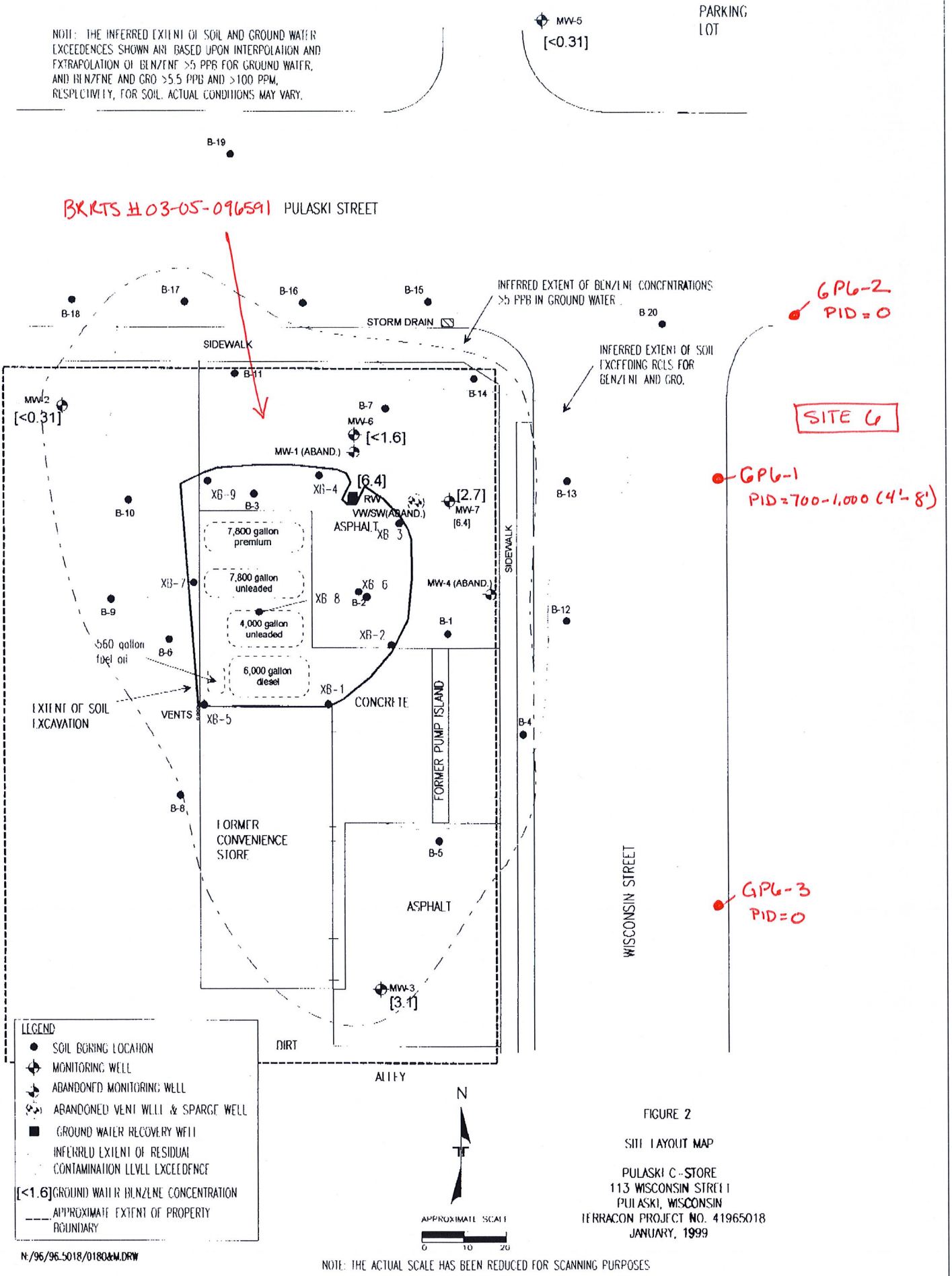

FIGURE 2

SITE LAYOUT MAP

PULASKI C-STORE
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999

NOTE: THE ACTUAL SCALE HAS BEEN REDUCED FOR SCANNING PURPOSES

GP6-1 • Boring Location from WIS DOT Investigation (Approximate) 2/25/13

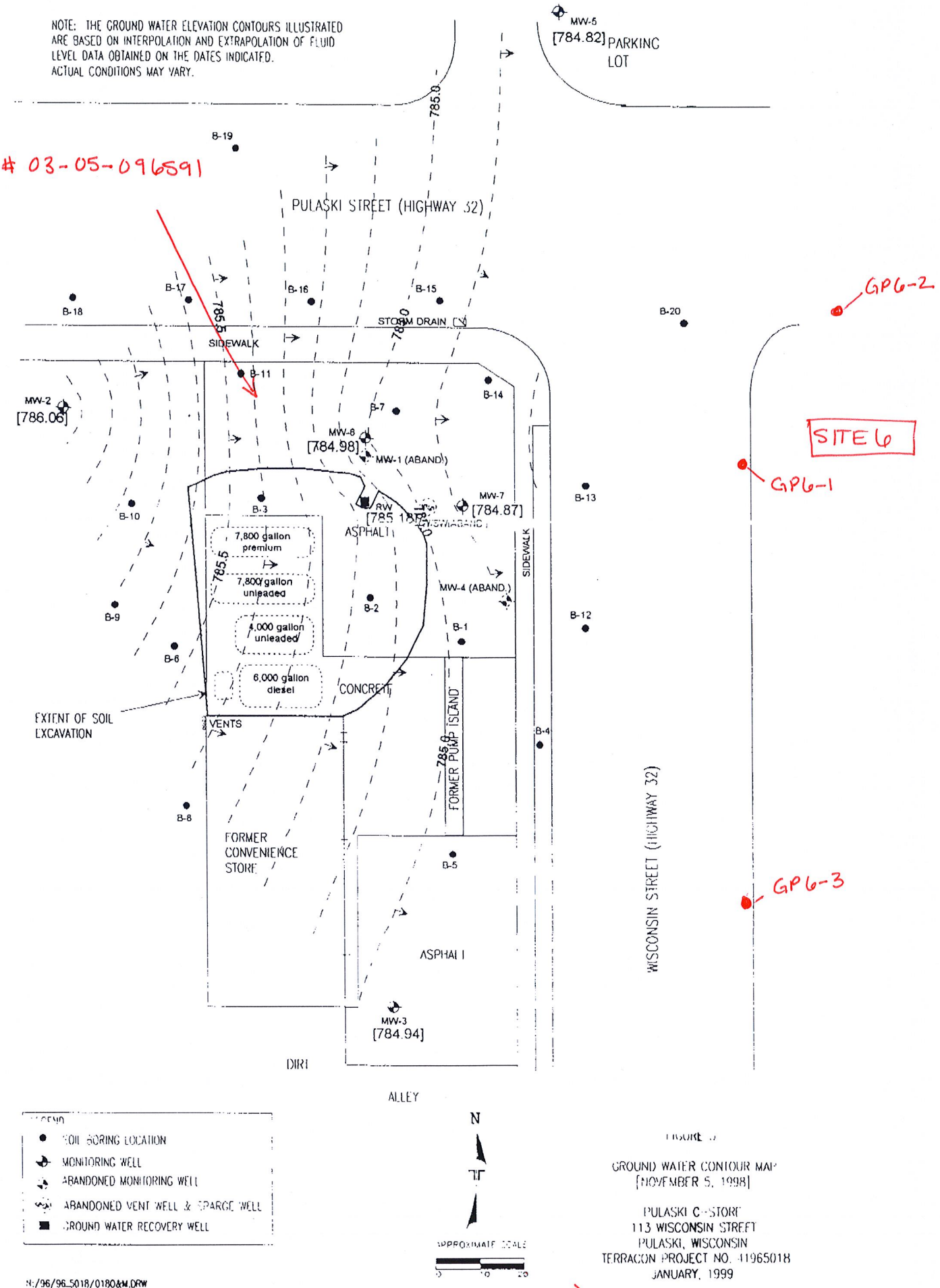

FIGURE 3

GROUND WATER CONTOUR MAP
[NOVEMBER 5, 1998]

PULASKI C-STORE
113 WISCONSIN STREET
PULASKI, WISCONSIN
TERRACON PROJECT NO. 41965018
JANUARY, 1999

GP6-1 • Boring Location from WisDOT Investigation (Approximate)
2/25/13

Appendix I
Special Provisions

March 26, 2013

Special Provisions for the Excavation, Hauling, and Disposal of Contaminated Soil

Project Design I.D. #9190-13-00
City of Pulaski
Brown County, Wisconsin

Prepared by
TRC, Inc.
Madison, Wisconsin

1. Excavation, Hauling, and Disposal of Contaminated Soil, Item _____

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 with section 205 of the standard specifications 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:

1. Determining the location and limits of contaminated soil to be excavated based on soil analytical results from previous investigations, visual observations, and field screening of soil that is excavated;

2. Identifying petroleum-contaminated soils to be hauled to the bioremediation facility;

3. 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;

4. Obtaining the necessary approvals for disposal of petroleum-contaminated soil from the bioremediation facility,

5. 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 subsection 107.1 of the standard specifications 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 subsection 205.3 of the standard specification 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 with 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 with 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
_____	Excavation, Hauling, and Disposal of -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)