

7/22/05

STS CONSULTANTS, LTD.



**Documentation Report for the
Removal of Petroleum
Contaminated Soil from the
STH 59 ROW Adjacent to the
Badger Leasing Site
9601 West Greenfield Avenue
(STH 59),
West Allis, Wisconsin
WDNR BRRTS No. 03-41-
005185 and 02-41-305222**

Wisconsin Department of Transportation
Madison, Wisconsin

WisDot I.D. 2230-07-70
SIS Project No. 5-8/200XZ



July 22, 2005

Ms. Victoria Stovall
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Dr.
Milwaukee, WI 53212

RE: Documentation Report for the Removal of Petroleum Contaminated Soil From the STH 59 ROW Adjacent to the Badger Leasing Site, 9601 West Greenfield Avenue in West Allis, Wisconsin – WDNR BRRTS No. 03-41-005185 and 02-41-305222, WisDot I.D. 2230-07-70, STS Project No. 5-87200XZ

Dear Ms. Stovall:

On behalf of the Wisconsin Department of Transportation (WisDot), STS Consultants, Ltd. (STS) is providing documentation of excavation activities for the removal of petroleum contaminated soil in the sanitary sewer spot relay excavation from the State Trunk Highway (STH) 59 right-of-way (ROW) adjacent to the north side of the Badger Leasing site in West Allis, Wisconsin. The Badger Leasing site is a known leaking underground storage tank (LUST) and SPILL site. Figure 1 shows the location of the subject site.

The following subsections summarize the project background and field activities conducted prior to and during excavation of the contaminated soil. A list of parties involved is provided in Attachment A.

This report has been prepared in general conformance with NR 724.15 of the Wisconsin Administrative Code (WAC). The work was completed in accordance with the STS Work Order 48 for WisDOT Master Contract Project I.D. 1000-00-40 which was approved April 1, 2000.

The WisDot is not requesting Wisconsin Department of Natural Resources (WDNR) action in response to this submittal.

PROJECT BACKGROUND

In the 1960s the site was used as a gasoline service station. From approximately 1970 to 1977 the site was used as a dry cleaning facility. Tetrachloroethene (PCE) was used as the dry cleaning solvent. The Badger Leasing site (BRRTS #03-41-005185 and 02-41-305222) is currently used to sell used automobiles. The site is a known leaking underground storage tank (LUST) and SPILL site. The site is contaminated with petroleum compounds and chlorinated solvents.

Sigma Environmental Services, Inc. (Sigma), completed a Limited Phase 2 Site Assessment and a Site Investigation at the site on behalf of the site owner in 1995 and 1996, respectively. Several soil borings and groundwater monitoring wells were installed at the site. Soil and groundwater contamination is present in the northeast corner of the site and along the east side of the site. The extent of the soil and groundwater contamination was not defined north, northeast, or east of the site. Groundwater is present at a depth of approximately 4 to 8 feet below ground surface (bgs) and flows to the east. According to WDNR records the site is currently active.



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Documentation for the removal of the former USTs was not available. According to the Wisconsin Department of Commerce storage tank database, two 2,000-gallon USTs used to store unleaded gasoline were removed from the site as of December 21, 1998. Additional details regarding environmental activities at the site can be found in the Sigma report "Soil and Groundwater Quality Investigation Work Plan, Badger Leasing, 9601 West Greenfield Avenue, West Allis, Wisconsin" dated February 1996, and letters from Sigma to the WDNR dated March 4, 2002, and May 9, 2003.

On behalf of the Wisconsin Department of Transportation (WisDot), STS conducted Phase 2.5 Environmental Site Assessment (ESA) activities adjacent to the Badger Leasing site. The purpose of the Phase 2.5 ESA was to determine if soil and/or groundwater impacts were present in the right-of-way adjacent to the Badger Leasing site prior to the reconstruction of W. Greenfield Avenue. Delineation and characterization of potential soil impacts was necessary to determine proper handling and disposal options during construction. Details of the Phase 2.5 acre included in the November 23, 2004 STS report, "Phase 2.5 Environmental Site Assessment Report for the Badger Auto Sale and Leasing Site." A summary of the Phase 2.5 results follows.

One soil probe (BL-1) was advanced in the right-of-way to a terminal depth of 15 feet bgs at the approximate location of the planned sanitary sewer repair/reconstruction. In general, the soil profile encountered while advancing the soil probe consisted of silt and silty clay to clayey silt. Soil samples were collected from the 8 to 10-foot interval for laboratory analysis of GRO, DRO, VOCs, lead, cadmium, reactive cyanide and reactive sulfide. Groundwater samples were collected from the temporary well for laboratory analysis of VOCs, lead, cadmium, reactive cyanide and reactive sulfide.

Phase 2.5 Soil Results

- Elevated PID readings and petroleum/solvent odors were present in soil samples from approximately 2 to 15 feet below grade.
- GRO and DRO were detected at concentrations of 187 mg/kg and 6.39 mg/kg, respectively. The GRO concentration exceeded the NR 720 generic RCL of 100 mg/kg.
- Several VOCs were detected in the soil samples. None of the detected compounds exceeded NR 720.19 Table 1 and Table 2 RCLs where RCLs have been established; however, concentrations of naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene exceeded calculated site-specific soil standards.
- Cadmium was not detected. Lead was detected at a concentration of 11.1 mg/kg which is below the NR 720 RCL for a non-industrial site.
- Reactive cyanide and reactive sulfide were not detected.

Phase 2.5 Groundwater Results

- Petroleum/solvent odors were not observed in groundwater samples.
- Several VOCs were detected in the groundwater samples. Benzene, 1,2-dichloroethane, cis-1,2-dichloroethene, and vinyl chloride concentrations exceeded their respective NR 140 enforcement standards (ESs) and preventive action limits (PALs).

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- Cadmium, lead, reactive cyanide, and reactive sulfide were not detected.

STS prepared roadway contract special provisions relating to the contaminated area indicating that soil and groundwater contaminated with petroleum products and chlorinated solvents are present adjacent to Badger leasing, between project stations 63+70 to 64+80 from 5 feet left of centerline to 65 feet right of centerline. The special provisions stated that the contaminated soil would be removed by others concurrent with the work under the roadway project. The initial roadway contractor work in the contaminated area was to only consist of the removal of the existing pavement. Work operations in the contaminated area were then to be scheduled for remediation by others. A copy of the special provision as incorporated into the contract documents is attached to this report.

PRE-EXCAVATION ACTIVITIES

STS submitted the soil sample lab results for the soil samples collected during the Phase 2.5 ESA activities to Onyx Environmental Services, Inc. (Onyx) for review. Onyx approved disposal of the soil at the Onyx Emerald Park Landfill in Muskego, Wisconsin. The waste profile number assigned to the Badger Leasing site was BIO #EPL2005-063.

On April 20, 2005, STS attended the roadway project preconstruction meeting in Waukesha, WI. STS explained that the contaminated soil should be removed by others after the roadway contractor removed the overlying pavement and that landfill approvals for disposal of the contaminated soil were in place. It was noted the roadway contractor should provide STS three days notice to schedule the remedial activities. A copy of the preconstruction meeting minutes is attached.

On April 27, 2005, Milwaukee Metropolitan Sewerage District approved discharge of groundwater if encountered in the excavation of the contaminated soil.

EXCAVATION AND SOIL HANDLING ACTIVITIES

On May 25, 2005, Chuck Gassert of Stark Asphalt (Stark), the general contractor for the roadway project, called Tim Wood of STS regarding the undercutting grading in the area east of the Badger Leasing site. At that time, Mr. Wood asked when the sanitary sewer relay work in the area of the impacted soil was scheduled to be completed. Mr. Gassert reported that the sanitary sewer relay was completed on May 24, 2005. He stated that the excavation and hauling work was completed by Stark's subcontractor. The excavation was backfilled on May 25th after the sanitary sewer work was completed.

STS contacted Dan Schultz of SEH Inc., the project engineer for the roadway project. Mr. Schultz confirmed that the soil was excavated, loaded and hauled off the site by Stark's subcontractor. Mr. Schultz reported that he was present during a portion of the excavation work for the sanitary sewer relay. He estimated that approximately 10 to 15 cubic yards of soil was excavated from the sanitary sewer relay area based on the size of the excavation. He noted that an abandoned natural gas line pipeline was encountered in the excavation. He stated that he observed possible petroleum odors during the excavation of the soil but could not confirm that the odor was related to the impacted soil or the abandoned gas line.

Mr. Gassert contacted STS and reported that the soil excavated from the impacted area was hauled to Road Construction Materials, 6401 Racine Avenue, New Berlin, Wisconsin. The operator of the property was contacted and asked to rope off the soil pile and to cover it with plastic sheeting until it could be removed from the property.

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STS contacted Onyx to arrange for the loading of the soil at the Road Construction Materials property into Onyx trucks or roll-off boxes and transporting the soil to the landfill. On May 26, 2005, Onyx personnel visited the property and loaded the soil into a 20-cubic yard roll-off box. Onyx excavated approximately six inches below the existing ground surface in the area of the stockpile. The loaded box was covered and left on site.

An STS technician visited the Road Construction Materials property on May 27, 2005. The technician screened the soil in the roll-off box for the presence of volatile compounds using a photoionization detector (PID) equipped with a 10.6 eV lamp. PID readings of 17.3, 21.7, and 19.4 instrument units were recorded. The technician also screened the surface soil in the area of the stockpile using the PID. No PID readings above 0.0 instrument units were noted. Based on the PID readings, the impacted soil in the designated area was completely loaded into the roll-off box with no apparent impacts to the ground surface at the property.

On May 31, 2005, Onyx visited the Road Construction Materials property and loaded the roll-off box with the impacted soil onto an Onyx truck. Onyx hauled the roll-off box to the Onyx Emerald Park Landfill in Muskego, Wisconsin for biopile treatment and disposal.

SOIL DISPOSAL


A total of 13.72 tons of petroleum contaminated soil was excavated from the STH 59 ROW adjacent to the north side of the Badger leasing site. The soil was transported to the Onyx Emerald Park Landfill in Muskego, Wisconsin for biopile treatment and disposal. Documentation for the excavated soil received by the landfill is attached.

CLOSING

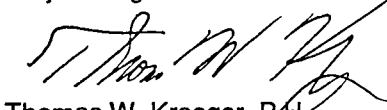
Thank you for your attention to this matter. If you have any questions concerning the work summarized herein, please feel free to contact either of the undersigned at your earliest convenience.

Respectfully,

STS CONSULTANTS, LTD.



Timothy P. Wood, P.E.
Project Engineer



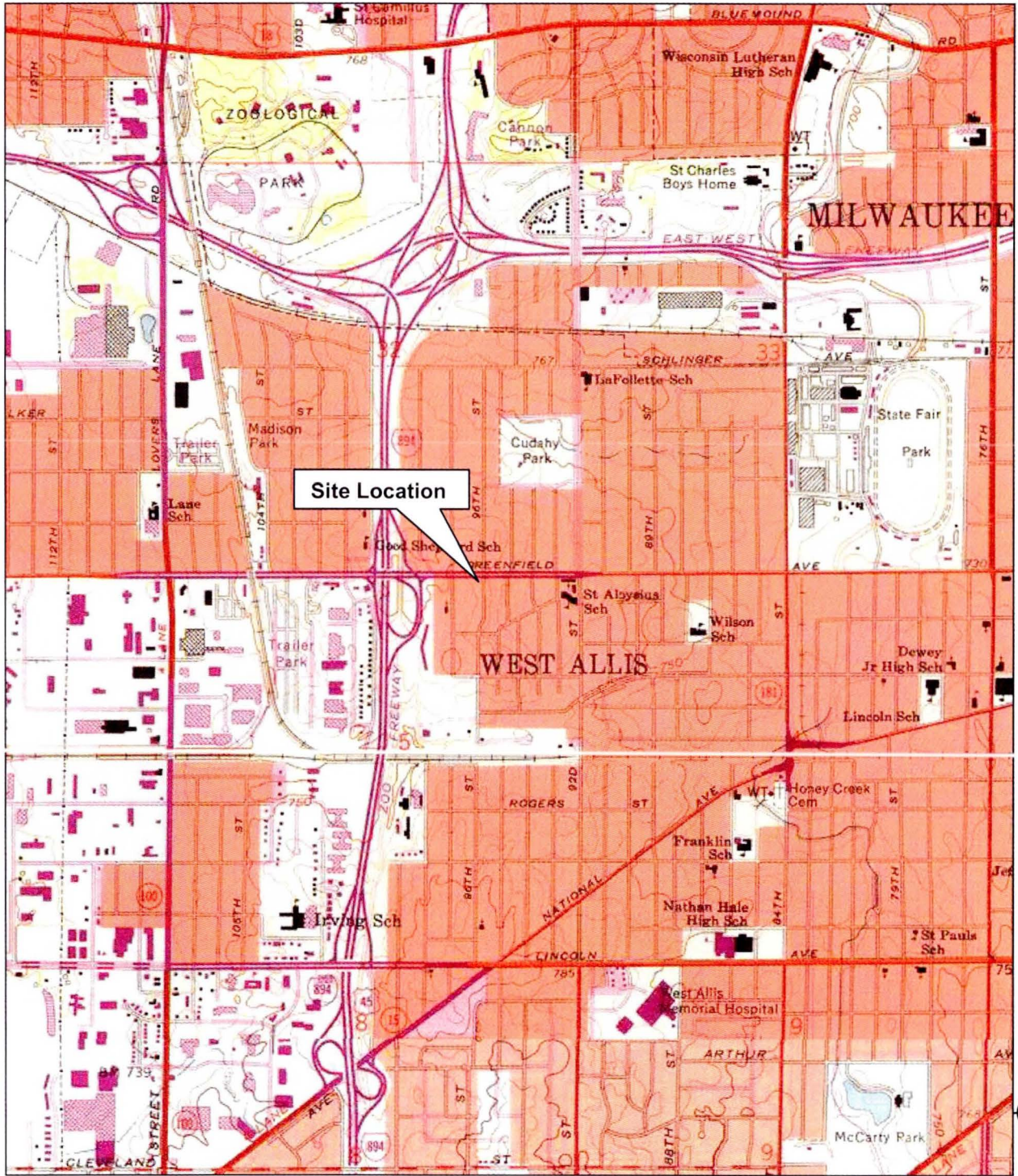
Thomas W. Kroeger, P.H.
Principal Scientist - Hydrologist

Cc: John Lewis, WisDot, 4802 Sheboygan Ave, 451, Madison, WI 53702
Mike Cape, WisDot D2, 141 NW Barstow St., Waukesha, WI 53187

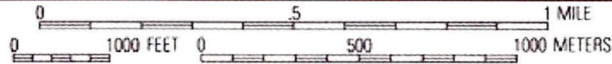
FIGURES

Figure 1 – Site Location Map

Figure 2 – Location of Excavation Area



Site Location



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)



STS Consultants
11425 W. Lake Park Dr.
Milwaukee, WI 53224
414-359-3030

www.stsconsultants.com
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**SITE LOCATION MAP
BADGER AUTO SALES AND LEASING
9601 W. GREENFIELD AVE.
WEST ALLIS, WI
WDOT ID 2230-07-00**

Drawn: JAK 09/28/2004

Checked: JAK 09/28/2004

Approved: BJB 09/28/2004

PROJECT NUMBER 587200XZ

FIGURE NUMBER 1



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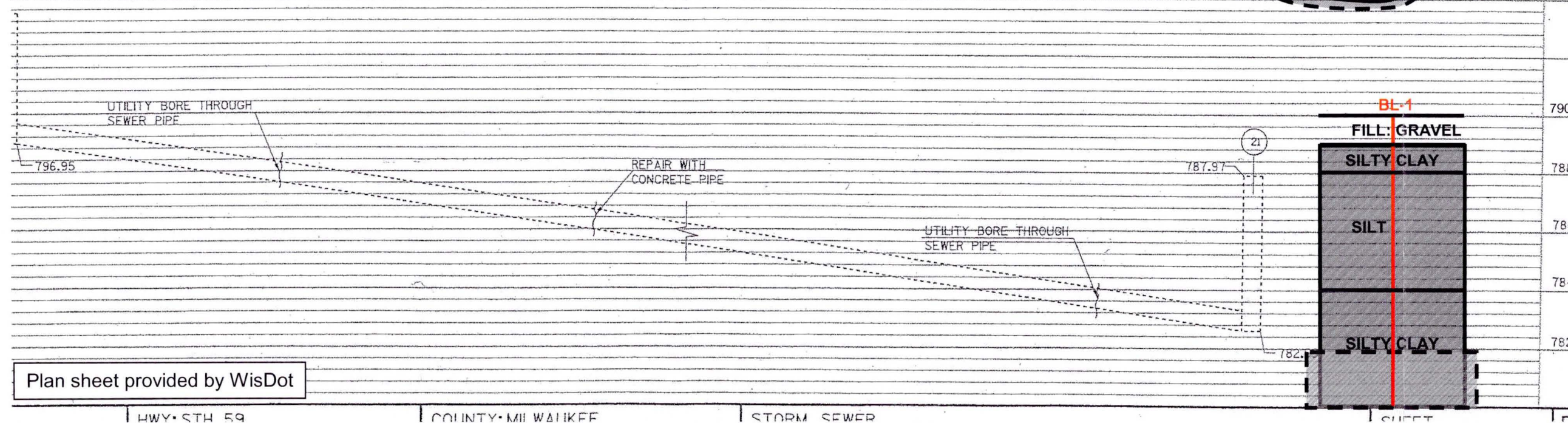
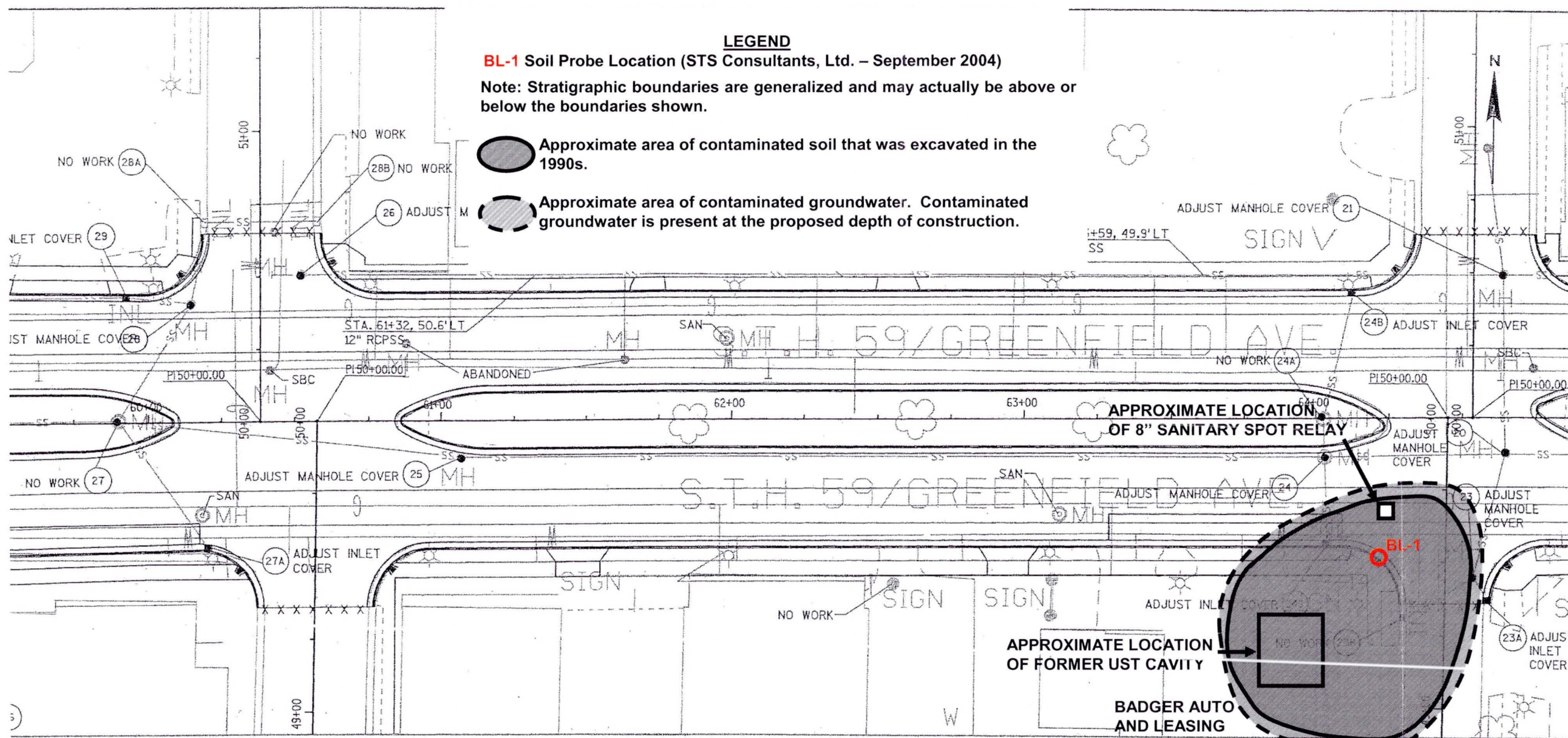
LEGEND

BL-1 Soil Probe Location (STS Consultants, Ltd. – September 2004)

Note: Stratigraphic boundaries are generalized and may actually be above or below the boundaries shown.

Approximate area of contaminated soil that was excavated in the 1990s.

Approximate area of contaminated groundwater. Contaminated groundwater is present at the proposed depth of construction.



Plan sheet provided by WisDot

SITE DIAGRAM
BADGER AUTO AND LEASING
 9501 W. GREENFIELD AVE.
 WEST ALLIS, WISCONSIN
 WDOT I.D. 2230-07-00

Drawn:	BJB	10/14/2004
Checked:	BJB	10/14/2004
Approved:	TWK	10/14/2004
PROJECT NUMBER	87200XZ	
FIGURE NUMBER	2	

ATTACHMENTS

Attachment A - Involved Parties

Attachment B - Copy of Special Provisions Relating to the Impacted Soil

Attachment C – Copy of Preconstruction Meeting Minutes

Attachment D - Landfill Disposal Documentation for Impacted Soil



ATTACHMENT A

Involved Parties



INVOLVED PARTIES

Contracting Authority:	Wisconsin Department of Transportation Bureau of Equity and Environmental Services 4802 Sheboygan Ave., 451 Madison, WI 53702	Mr. John Lewis (608) 267-3147
	Wisconsin Department of Transportation District 2 Environmental Services 141 NW Barstow St. Waukesha, WI 53187	Mike Cape (262) 548-5930
WisDOT Engineering Consultant:	SEH, Inc. 5395 North 118 th Court Milwaukee, WI 53225	Dan Schultz (414) 465-1200
WisDOT Environmental Consultant:	STS Consultants, Ltd. 11425 W. Lake Park Dr. Milwaukee, WI 53224	Tom Kroeger Tim Wood (414) 359-3030
Prime Roadway Contractor:	Stark Asphalt 11710 West Hampton Avenue Wauwatosa, WI 53225	Chuck Gassert (414) 466-7820
Soil Disposal Contractor:	Onyx Environmental Services, Inc. W124 N9451 Boundary Road Menomonee Falls, WI 53051	Joe DiGiorgio (262) 255-6655
Laboratory:	Great Lakes Analytical 140 E. Ryan Rd. Oak Creek, WI 53154	Mike Laupan (414) 570-9460

Note: Great Lakes Analytical was purchased by Test America (602 Commerce Drive, Water town, Wisconsin 53094) in early 2005. Mike Laupan remains the contact person for this project at Test America ((800) 833-7036).



ATTACHMENT B

Copy of Special Provisions Relating to the Impacted Soil



Pursue operations in a timely and diligent manner, continuing all construction operations methodically from the initial topsoil stripping operation through the subsequent grading and re-topsoiling to minimize the period of exposure to possible erosion. Re-topsoil graded areas, as designated by the engineer, immediately after grading is completed within those areas. All topsoiled areas shall be seeded, fertilized, and mulched within 10 calendar days after placement of topsoil. Take adequate precautions to install and maintain necessary erosion and sediment control during grading and construction operations by use of accepted design criteria, standards, and specifications.

Prepare and submit, to the department and the Department of Natural Resources, an erosion control implementation plan for the project, including borrow sites and material disposal sites, 14 days prior to the pre-construction conference and in accordance with Chapter TRANS401 requirements. The erosion control implementation plan shall supplement information shown on the plans and shall not reproduce it. The erosion control implementation plan will identify how the contractor intends to implement the project's erosion control plan.

10. Notice to the Contractor

Contamination in Construction Limits But Others Removing During Construction

Testing for soil and groundwater contamination was completed by the department for locations within this project where excavation is required. Testing indicated that soil and groundwater contaminated with petroleum and chlorinated solvents are present at the following site:

- (1) Station 63+70 to 64+80 from 5 feet left of centerline to 65 feet right of centerline.

The contaminated soil and groundwater at the above site are within the excavation limits of this project and will be removed by others concurrent with the work under this project. If dewatering is necessary, the environmental consultant shall be responsible for coordinating the removal, pre-treatment (if necessary) and disposal of groundwater.

Provide an advance notice (14 calendar days) of the pre-construction conference date to the environmental consultant retained by the department:

Consultant: STS Consultants, Ltd.
Address: 11425 W. Lake Park Dr., Milwaukee, WI 53224
Contacts: Tom Kroeger, Bryan Bergmann, or Tim Wood
Phone: (414) 359-3030
Fax: (414) 359-0822

At the pre-construction conference, provide a proposed schedule for all excavation activities in the areas of contamination.

Initial contractor work in the contaminated area prior to the start of remediation activities by others shall be limited to removal of existing pavement. Work operations in the contaminated area shall then be halted to allow remediation activities by others. Remediation activities (excavation of the contaminated soil and dewatering if necessary) are estimated to take one calendar day to complete.

If contaminated soils or groundwater are encountered elsewhere on the project, terminate excavation in the area and notify the engineer. The engineer shall follow procedures per 2.13.1.7 and 2.13.1.8 of the Construction Materials Manual.

For further information regarding investigation and remediation activities at the site contact Mike Cape, 141 NW Barstow St., Waukesha, WI 53187, (262) 548-5930.

Contamination Beyond Construction Limits

Testing for soil and groundwater contamination was completed by the department for locations within this project where excavation is required. Testing adjacent to the St. Francis Bank site (a known leaking underground storage tank site) at 9330 W. Greenfield Avenue (project stations 71+00 to 72+25), indicated that petroleum contaminated soil and groundwater was not present in the right-of-way of the west bound lane; however, testing by others has documented petroleum-contaminated soil and groundwater immediately adjacent to the north side of the right-of-way on the St. Francis Bank property.

The contaminated soils and groundwater at the above sites 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 excavation limits indicated in the plans. If contaminated soils or groundwater are encountered at these sites or elsewhere on the project during excavation, terminate excavation in the area and notify the engineer. The engineer shall follow procedures per 2.13.1.7 and 2.13.1.8 of the Construction Materials Manual.

The contamination investigation reports are available by contacting Mike Cape, 141 NW Barstow St., Waukesha, WI 53187, (262) 548-5930.

11. Tree Protection and Root Cutting.

Effective planning before and during an excavation or construction project can often prevent damage to or loss of trees. Take all necessary precautions to protect trees at the work site. Where a contractor perceives, that even with reasonable care, damage may occur during construction, contact the Forestry Division at 302-8811 to request a pre-construction meeting on site.

Root Protection Zone

To protect the immediate portion of the tree roots, maintain a root protection zone. This zone area is five feet on each side of the centerline of the tree trunk parallel with the street and from the backside of the curb to the backside of the walk. Do not place, park,

ATTACHMENT C

Copy of Preconstruction Meeting Minutes



PRECONSTRUCTION CONFERENCE MINUTES

If any of the following minutes are found to be in question, please contact Dan Schultz at dschultz@sehinc.com, 414-465-1209

1) Project Information:

- *Adrian Lopez (WISDOT PM) introduced the two projects listed below.*

Project ID. 2165-03-60

*South 84th Street
Greenfield Avenue to IH-94
STH 181
Milwaukee County*

ID. 2230-07-70

*Greenfield Avenue
IH-94 to South 92nd Street
STH 59
Milwaukee County*

- *We went around the room and everyone introduced themselves and who they worked for.*
- *Dan Schultz (SEH Inc., Construction Leader) went over who the prime contractor will be, contract amount, completion date, and the description of work for each project. (see below)*
 - a) Prime contractor: *Stark Asphalt*
 - b) Dollar amount: *\$ 1,458,252*
 - c) Completion Date Contract: *September 1st, 2005*

2) Introductions of those present (*see above*): Please sign attendance roster

- *Attendance roster was passed around.*

3) Description of work:

- a) 2165-03-60, Gates 4 and 5 to State Fair Park: *work involves removals, excavation, asphalt and concrete pavement, and curb and gutter replacement, signals and landscaping.*
- b) 2230-07-70, Greenfield Ave: *work involves removals, excavation, asphalt pavement, curb and gutter, lighting, signals and landscaping.*
- *Lori Nelson (WISDOT) went over DBE/Labor Compliance on the project. She reminded Stark to provide weekly certified payrolls of the prime and sub contractors. Lori also went over ASP 1 regarding TraNS apprentices and graduates and that it is included with the contract. Wage interviews may be conducted on the project by the project leader. Lori stated that they are concerned with trucking companies regarding wages and asked that the project leader in the field record truck names and the type of hauls. The wage boards will be located at the project field office. (#8 below)*
- *Reem Shana (WISDOT) confirmed that the ECIP has been submitted and approved. Adrian will give Dan the dates at a later time. Since this is an urban project, dust control should be maintained at all times. Inlet protection should be maintained after every precipitation. Copies of inspection logs and the ECIP should be kept on site. Any changes to the schedule should be submitted to Environmental Services. (#5 below)*

4) Special Provision Topics

a) Prosecution and Progress

i) Gates 4 and 5 to State Fair Park: Perform work Monday through Friday, 7 to 6PM.

ii) Gate 4: Start May 3rd and complete by May 18th

- *Jeff Jacobson (State Fair Park) said that they have no conflicts with work starting Monday, May 2.*
- *Chuck Gassert (Stark Asphalt) brought constructing Gate 5 first, then Gate 4 due to the sign and hydrant to be moved.*

iii) Gate 5: Start May 23rd and complete by June 15th

(1) Gate 5 to start on May 2nd.

iv) Special Events to be aware of:

- *Jeff said that there will be race events from June 3-4 and also on July 24 -25th that will require the use of Gate 5.*

v) Greenfield Avenue: Unrestricted flow to traffic required August 3rd to 15th for State Fair

(1) It was impressed that the road way and ramps must be open for State Fair

b) Traffic

i) Greenfield Ave and side streets not closed are to have one lane open in each direction at all times.

ii) Maintain vehicular access to driveways at all times unless written agreement is signed by owner and contractor. Contact owner 48 hours prior to driveway removal and replacement.

- *Dan emphasized talking to business/property owners before closing driveway access.*

iii) No lane closures allowed on S. 84th Street without prior approval from City of West Allis and engineer.

iv) Contact David Fetchei, for ramp closures 414-227-2157, and contact District Freeway Operations Supervisor two weeks prior to construction start on Greenfield Avenue.

v) Milwaukee County Transit: Busses will operate using the traffic control plan.

Provide proper turning radii.

- *Dave Ziarek (Milwaukee County Transit) explained that if existing bus signs need to be removed, the contractor can remove the signs and junk accordingly. The bus company will come at a later time to place new signs. Dave also went over the bus routes that run through the project area traveling from eastbound Greenfield Ave to northbound 84th Street, from westbound Greenfield to southbound 92nd Street, and also from northbound 92nd Street to eastbound Greenfield.*

c) Holiday Work Restrictions

i) Memorial Day and Fourth of July Holidays as listed in Special Provisions Article 5

- *The contractor's schedule was discussed and Chuck explained Stark's plan to begin constructing the eastbound lanes moving west from 92nd Street, paving only binder layers with temporary pavement markings and delineators. They will then switch traffic to run on the eastbound side to construct the westbound lanes in the same manner. (#7 below)*

- d) Utilities
- i) City of West Allis – Sanitary sewer manhole adjustments performed by contractor and approved by City, seals installed by City. Contact Gary Kirchner at 414-302-8818.
 - ii) City of West Allis – Light poles to be relocated by City at Gate 4
 - *The city will remove the poles and will reinstall them after construction. They would like a couple days notice prior to removal.*
 - iii) State Fair Park – Fire hydrant to be relocated, ticket booth to be moved, and sign to be removed, all at Gate 4 prior to construction.
 - *Jeff J. said the hydrant would be relocated shortly and the booth shouldn't be an issue. He was aware that the sign would need to be moved by State Fair Park and would need the signal head removed prior to relocation.*
 - iv) Contractor to notify utilities 10 days prior to working at valves, manholes or vaults per Addendum dated 2/28/05. Contractor shall coordinate with We Energies for removal of abandoned gas main if encountered during excavation.
 - *Larry Johnson (WISDOT) brought up that there is an abandoned 12" gas main running along the north side of the road from about 92nd to 96th Streets. If it is encountered during grading, any extra cost to Stark should be borne by WE Energies.*
- e) Summary of involvement and or coordination with others:
- i) Hauling routes: permits and routes needed
 - *Dan asked for a copy of the permits from Stark.*
 - ii) Lighting:
 - (1) The City of West Allis will short circuit lighting prior to demolition
 - *Chuck asked whether the street lighting could be kept on for the side of the road that traffic will be on. Charles Landey (WISDOT) said that it might not be possible and the issue should be discussed at a later time.*
 - *Charles went over the rest of the lighting issues. He began by emphasizing that the lighting carries a higher warning level than normal electrical caution and that everyone involved on the project needs to be careful.*
 - (2) The Department will abandon video cameras at IH-894 light poles
 - *Need to coordinate work to determine what to do with removed equipment.*
 - (3) The City will remove light pole at 92nd Street
 - *Light pole has signal on it and coordination will be needed.*
 - (4) The Department will allow inspection of lighting by the City of West Allis
 - (5) City furnished materials to be picked up at 6300 W. McGeogh Ave,
 - (6) Lamp disposal delivered to 935 S. 60th Street in West Allis, call Mike Treu at 414-266-1168
 - (7) Removal of lighting units, store on site for City to Haul away
 - (8) *City of West Allis-Forestry has concerns over placement of light poles and has final say over locations. Before bases are poured, Forestry should inspect locations.*
 - (9) *Sheet 11 of the lighting plans shows a unique wiring diagram which the contractor should be sure to follow*
 - (10) *The city's contact for lighting is Terry Meincke at 414-302-8876.*

- *Dan explained the plan to have the electrical items staked and then have the city inspect prior to beginning any work.*
- iii) Contaminated Soil, Sta 63+70 to 64+80 EB lanes (*near Badger Cars*). Coordinate with STS Consultants at 414-359-3030
- *Tim Wood (STS) explained the soil will be removed by one of their subcontractors, Onyx Environmental Services, and they have approval to dispose of the material. They don't anticipate encountering groundwater but they have an agreement with MMSD if they do. Stark will need to coordinate with STS(they would like 3 days notice) to schedule the work after pavement removal. The contamination is fairly shallow and it may be located within any cut area. The contaminated soil at St. Francis Bank should be outside the right-of-way and should not impact construction.*
- iv) Tree protection and root cutting: Please review Article 11. The Forestry Division of the City of West Allis phone number is 414-302-8811.
- v) Electrical service pedestal: I-894 and STH 59 is maintained by the department, Gate 4 and 84th Street is maintained by the City of West Allis, contact Terry Meincke 414-302-8876
- vi) Traffic Signal Controllers: For Gate 4 and Gate 5, deliver to Madison for testing contact 608-246-3269.
- *Aron Ferris (Darwin Electric) said that they had received the controllers, but was unsure of whether they had been tested yet.*
- vii) 6 inch Building storm sewer item requires a plumbing permit, contact Plumbing inspection office at City Hall.
- viii) Signals
- (1) 101st Street and at IH-894 ramps, pick up department furnished materials at 935 S. 60th Street, West Allis.
 - (2) Notify the City of West Allis prior to removal of signals at Gate 4 and Gate5, 414-302-8876
- 5) Environmental Concerns: ECIP Status
- a) Approved by department:
 - b) Approved by WDNR:
- 6) QMP for base course and asphalt
- *Stark's own staff will be performing all QMP procedures.*
- a) Test results to be posted in field office
- 7) Contractor Schedule of Operations
- a) Utility involvement -
 - i) We Gas – *Not present*
 - ii) We electric – *Not present*
 - iii) SBC
 - *Mark Szymanski (SBC) explained that SBC has completed lowering conduit on the project east of I-89, but still had some work to do west of the freeway.*
 - *SBC had to add some additional conduit at locations and also a new manhole located 39' east of south 93rd Street because they encountered 42" sewer pipe at this location. Due to the sewer, their conduit is laying on top of the sewer which may lead to conflicts.*

- *Andy Maxwell (WISDOT Permits) says the department is close to issuing a permit for SBC to place a new conduit on the I-894 bridge. SBC should try to coordinate with the state project's traffic control for their work.*
 - *Andy explained that the department would like West Allis to remove an abandoned 12" water main on the bridge and would also like that completed under the project's traffic control.*
- iv) Time Warner Cable – *Not present*
- b) Locates:
- i) Diggers Hotline
 - ii) WisDOT for lighting, traffic signals
 - *Don Schultz (WISDOT) said the department's locator will not locate old facilities once the temporary signals are operational.*
 - *Don added that until the new signals are operating, the electrical contractor should locate the new facilities.*
- *Aron explained that Darwin's plan was to have the temporary signals operational at 101st Street and the west side of the freeway by Friday, April 29 and to turn them on May 2. Don emphasized that the department should be given 3 days notice to inspect the temporary signals before they are turned on.*
- iii) Water, sanitary sewer, street lighting
- 8) DBE/Labor compliance
- a) ASP 4 – Prompt payment to all subcontractors, 10 calendar days from progress payment
- 9) Preconstruction Guidelines
- a) Weekly Meetings: Wednesdays at 1PM, at field office
 - b) Chain of Communication, fill out for prime and subcontractors
 - *Chuck will complete after the meeting.*
 - c) Guidelines for processing paperwork
- 10) Field Office Location: *8626A, 87th and Greenfield Ave.*
Phone 414-6815
Fax: 414-6854
- 11) Requirements prior to construction
- a) Accepted Schedule – *Accepted 4/21/04*
 - b) Source of Materials - *Accepted*
 - c) Approved ECIP – *Accepted by WisDOT 4/07/05*
 - d) Sublet Request forms – *Accepted 4/13/05*
 - e) Start Notice – *Sent out, work to begin April 25th*
- 12) Other comments or concerns
- a) *Stark will extend schedule to show time to complete final work.*
 - b) *Spencer Schultz (C.E.B.S.) said that the freeway signs will be placed beginning on April 21 and drums will be delivered the following week.*
 - c) *City of West Allis reinforced the importance of having unrestricted traffic flow for State Fair (August 4 - 14).*
 - d) *Fred Snorek (Sanfelippo Landscape) would like all other contractors to have their areas cleaned up prior to landscaping and to also have landscaping limits marked out.*

ATTACHMENT D

Landfill Disposal Documentation for Impacted Soil



Customer by Contract No Pricing
From: May 31, 2005 To: May 31, 2005
Specified Customer: 236

Facility: All Facilities

DETAILED REPORT

Report Contents: Inbound And Outbound

Date In	Customer Name Contract Ticket Number	Vehicle	Material Description	Time In	Disposal Qty.	U/M	Waste Generator
	Onyx Environmental (Soil/Demo/SW Proj.) BIOEPL2005-063						
31 May 2005	693898	H102080 SU	33D@ C-Soil, Pet-Fuel 33D@	9:13 am	13.72	TN	Badger Leasing
Contract Total (1)					13.72	TN	
Customer Total (1)					13.72	TN	
Report Total (1)					13.72	TN	