

Source Property Information

CLOSURE DATE: 07/31/2013

BRRTS #: 03-42-107318
ACTIVITY NAME: Franciscan Skemp Health Care
PROPERTY ADDRESS: 310 West Main Street
MUNICIPALITY: Sparta
PARCEL ID #: 281-01898-0000

FID #: 642066480
DATCP #:
PECFA#: 54656217110

***WTM COORDINATES:**

WTM COORDINATES REPRESENT:

X: 454621 Y: 385981

** Coordinates are in
WTM83, NAD83 (1991)*

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

CONTINUING OBLIGATIONS

Contaminated Media for Residual Contamination:

Groundwater Contamination > ES (236)

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Contamination in ROW

Off-Source Contamination

Off-Source Contamination

*(note: for list of off-source properties
see "Impacted Off-Source Property Information,
Form 4400-246")*

*(note: for list of off-source properties
see "Impacted Off-Source Property Information,
Form 4400-246")*

Site Specific Obligations:

Soil: maintain industrial zoning (220)

Cover or Barrier (222)

*(note: soil contamination concentrations
between non-industrial and industrial levels)*

Direct Contact

Soil to GW Pathway

Structural Impediment (224)

Vapor Mitigation (226)

Site Specific Condition (228)

Maintain Liability Exemption (230)

*(note: local government unit or economic
development corporation was directed to
take a response action)*

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (234)

Yes No N/A

** Residual Contaminant Level*

***Site Specific Residual Contaminant Level*



July 31, 2013

Mr. Dan Scholze
Franciscan Skemp Health Care
310 West Main Street
Sparta, Wisconsin 54656

Subject: Final Closure Decision, Franciscan Skemp Health Care, 310 West Main Street, Sparta, Wisconsin. WDNR BRRTS Activity # 03-42-107318.

Dear Mr. Scholze:

The Department of Natural Resources (DNR) considers the Franciscan Skemp Health Care site closed, with continuing obligations. No further investigation or remediation is required at this time. However, you and future property owners must comply with the continuing obligations as explained in the conditions of closure in this letter. Please read over this letter closely to ensure that you comply with all conditions and other on-going requirements. Provide this letter and any attached maintenance plan to anyone who purchases this property from you. For residential property transactions, you are required to make disclosures under s. 709.02, Wis. Stats.

This final closure decision is based on the correspondence and data provided, and is issued under ch. NR 726, Wisconsin Administrative Code. The West Central Region (WCR) Closure Committee reviewed the request for closure on April 4, 2013. The Closure Committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. A conditional closure letter was issued by the DNR on April 19, 2013, and documentation that the conditions in that letter were met was received on date June 4, 2013.

This site formerly contained two heating oil underground storage tanks. One was abandoned in place, the other was removed. Responses to the release of petroleum at the site included groundwater removal via vacuum truck and groundwater monitoring. Due to the location, excavation of contaminated soils was not possible. The conditions of closure and continuing obligations required were based on the property being used for commercial purposes.

Continuing Obligations

The continuing obligations for this site are summarized below. Further details on actions required are found in the section Closure Conditions.

1. Groundwater contamination is present above ch. NR 140, Wis. Adm. Code enforcement standards.
2. Residual soil contamination exists that must be properly managed should it be excavated or removed.
3. Pavement must be maintained over contaminated soil and the DNR must approve any changes to this barrier.
4. If a structural impediment that obstructed a complete site investigation or cleanup is removed or modified, additional environmental work must be completed.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible Geographic Information System (GIS) Registry, to provide notice of residual contamination and of any continuing obligations. DNR approval prior to well construction or reconstruction is required for all sites shown on the

GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code. To obtain approval, complete and submit Form 3300-254 to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line at <http://dnr.wi.gov/topic/wells/documents/3300254.pdf> or at the web address listed below for the GIS Registry.

All site information is also on file at the Region Regional DNR office in Eau Claire. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry in a PDF attachment. To review the site on the GIS Registry web page, visit the RR Sites Map page at <http://dnrmaps.wi.gov/imf/imf.jsp?site=brts2>.

Certain activities are prohibited at closed sites because maintenance of a barrier is intended to prevent contact with any remaining contamination. When a barrier is required, the condition of closure requires notification of the DNR before making a change, in order to determine if further action is needed to maintain the protectiveness of the remedy employed. The following activities are prohibited on any portion of the property where insert the pavement is required, as shown on the attached map, unless prior written approval has been obtained from the DNR:

- removal of the existing barrier;
- replacement with another barrier;
- excavating or grading of the land surface;
- filling on covered or paved areas;
- plowing for agricultural cultivation;
- construction or placement of a building or other structure;

Closure Conditions

Compliance with the requirements of this letter is a responsibility to which you and any subsequent property owners must adhere. DNR staff will conduct periodic prearranged inspections to ensure that the conditions included in this letter and the attached maintenance plans are met. If these requirements are not followed, the DNR may take enforcement action under s. 292.11, Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property.

Groundwater contamination greater than the enforcement standard is present both on this contaminated property and off this contaminated property, as shown on the attached map. Affected property owners were notified of the presence of groundwater contamination. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

Soil contamination remains in the vicinity of the former underground storage tanks, as shown on the attached map. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation will need to determine whether the material is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

Cover or Barrier (s. 292.12 (2) (a), Wis. Stats.)

The pavement, building or other impervious cover that exists in the location shown on the attached map shall be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code.

A request may be made to modify or replace a cover or barrier. The replacement or modified cover or barrier must be protective of the revised use of the property, and must be approved in writing by the DNR prior to implementation. The attached maintenance plan and inspection log are to be kept up-to-date and on-site and submitted to the DNR only upon request.

The building, as shown on the attached map, made complete investigation and/or remediation of the soil contamination on this property impracticable. If the structural impediment is to be removed, the property owner shall notify the DNR before removal and conduct an investigation of the degree and extent of type of contaminant contamination below the structural impediment. If contamination is found at that time, the contamination shall be properly remediated in accordance with applicable statutes and rules.

General Wastewater Permits for Construction Related Dewatering Activities

The DNR's Water Quality Program regulates point source discharges of contaminated water, including discharges to surface waters, storm sewers, pits, or to the ground surface. This includes discharges from construction related dewatering activities, including utility and building construction.

If you or any other person plan to conduct such activities, you or that person must contact that program, and if necessary, apply for the necessary discharge permit. Additional information regarding discharge permits is available at <http://dnr.wi.gov/topic/wastewater/GeneralPermits.html>. If residual soil or groundwater contamination is likely to affect water collected in a pit/trench that requires dewatering, a general permit for Discharge of Contaminated Groundwater from Remedial Action Operations may be needed. If water collecting in a pit/trench that requires dewatering is expected to be free of pollutants other than suspended solids and oil and grease, a general permit for Pit/Trench Dewatering may be needed.

PECFA Reimbursement

Section 101.143, Wis. Stats., requires that Petroleum Environmental Cleanup Fund Award (PECFA) claimants seeking reimbursement of interest costs, for sites with petroleum contamination, submit a final reimbursement claim within 120 days after they receive a closure letter on their site. For claims not received by the PECFA Program within 120 days of the date of this letter, interest costs after 60 days of the date of this letter will not be eligible for PECFA reimbursement. If there is equipment purchased with PECFA funds remaining at the site, contact the Department of Safety and Professional Services PECFA Program to determine the method for salvaging the equipment.

The DNR fact sheet, "Continuing Obligations for Environmental Protection" helps explain a property owner's responsibility for continuing obligations on their property. If you need this information it is available on line at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf>. Please send written notifications in accordance with the above requirements to the attention of Gina Keenan at the DNR, 1300 West Clairemont Avenue, Eau Claire, WI 54701.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment. The DNR appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Gina Keenan at 715-839-3765.

Sincerely,

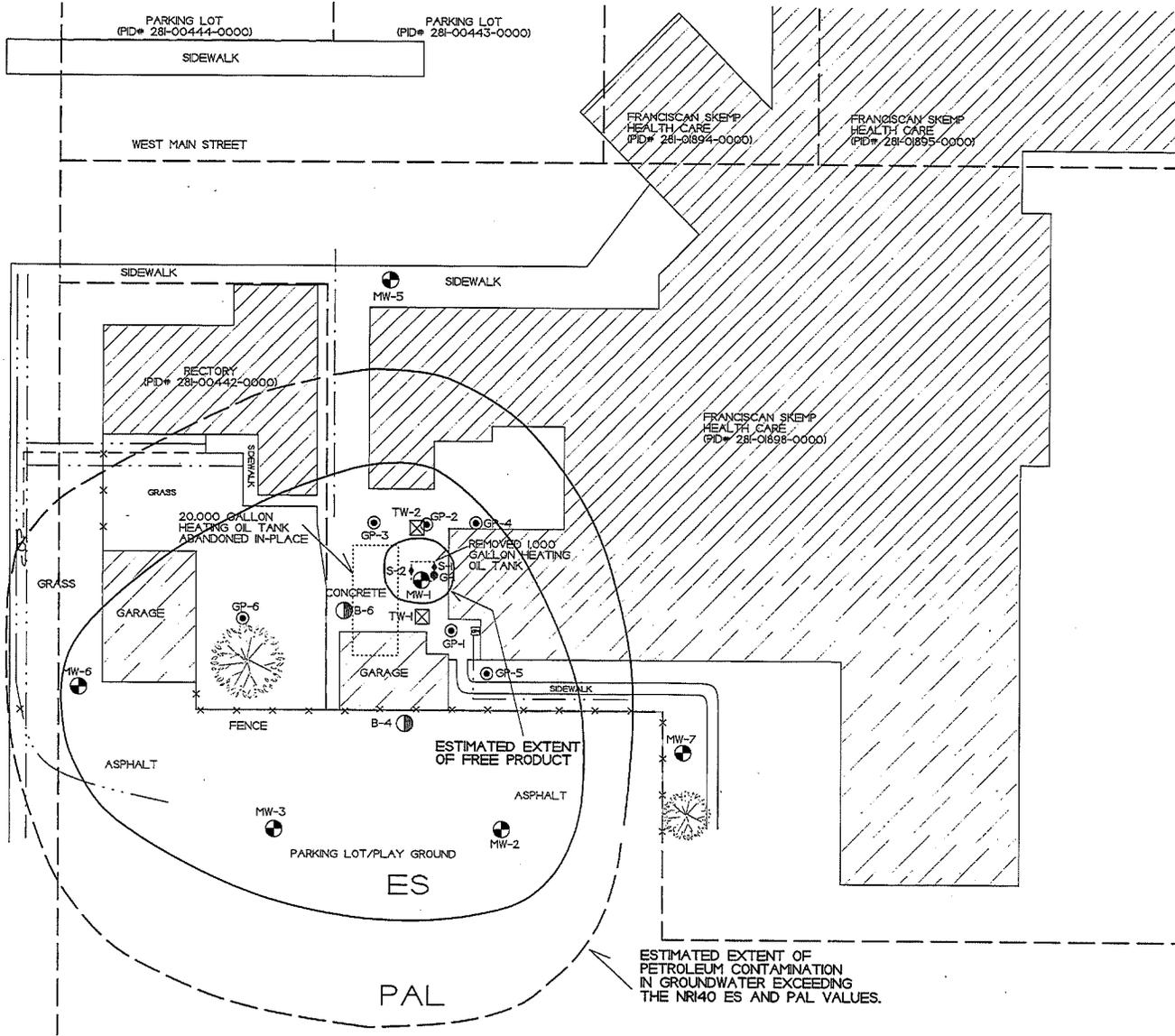


Bill Evans, Team Supervisor
Region Remediation & Redevelopment Program

Attachments:

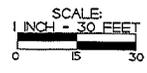
- B.3.b Groundwater Isoconcentration Map
- B.2.c. Pre/Post Remaining Soil Contamination
- D.1 Location Map-Barrier and Structural Impediment maintenance map
- D.2. Maintenance Plan-Brief Description

cc: Jason Powell, METCO, 709 Gillette Street, STE 3, La Crosse, WI 54603
St. Patrick's Parish, 319 West Main Street, Sparta, WI 54656
WCR case file



B.3.b GROUNDWATER ISOCONCENTRATION MAP (04/27/2011) FRANCISCAN SKEMP HEALTH CARE		
	SPARTA, WISCONSIN <small>700 Gillette St., Ste 3 La Crosse, WI 54603 Tel: (608) 797-5070 Fax: (608) 797-8992</small>	
<small>DATE: 4/23/11</small>		

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



- ⊠ - TEMPORARY WELL LOCATION
- ⊙ - MONITORING WELL LOCATION
- ⊕ - SOIL BORING LOCATION
- - SOIL SAMPLE OR GEOPROBE LOCATION
- ⊙ - GEOPROBE LOCATION (SHAW ENVIRONMENTAL)
- ⊕ - UTILITY POLE

- NATURAL GAS _____
- SEWER _____
- WATER _____
- BURIED TELEPHONE CABLE _____
- UNDERGROUND ELECTRIC _____
- APPROXIMATE PROPERTY BOUNDARIES _____

B.2.c. Pre/Post Remaining Soil Contamination

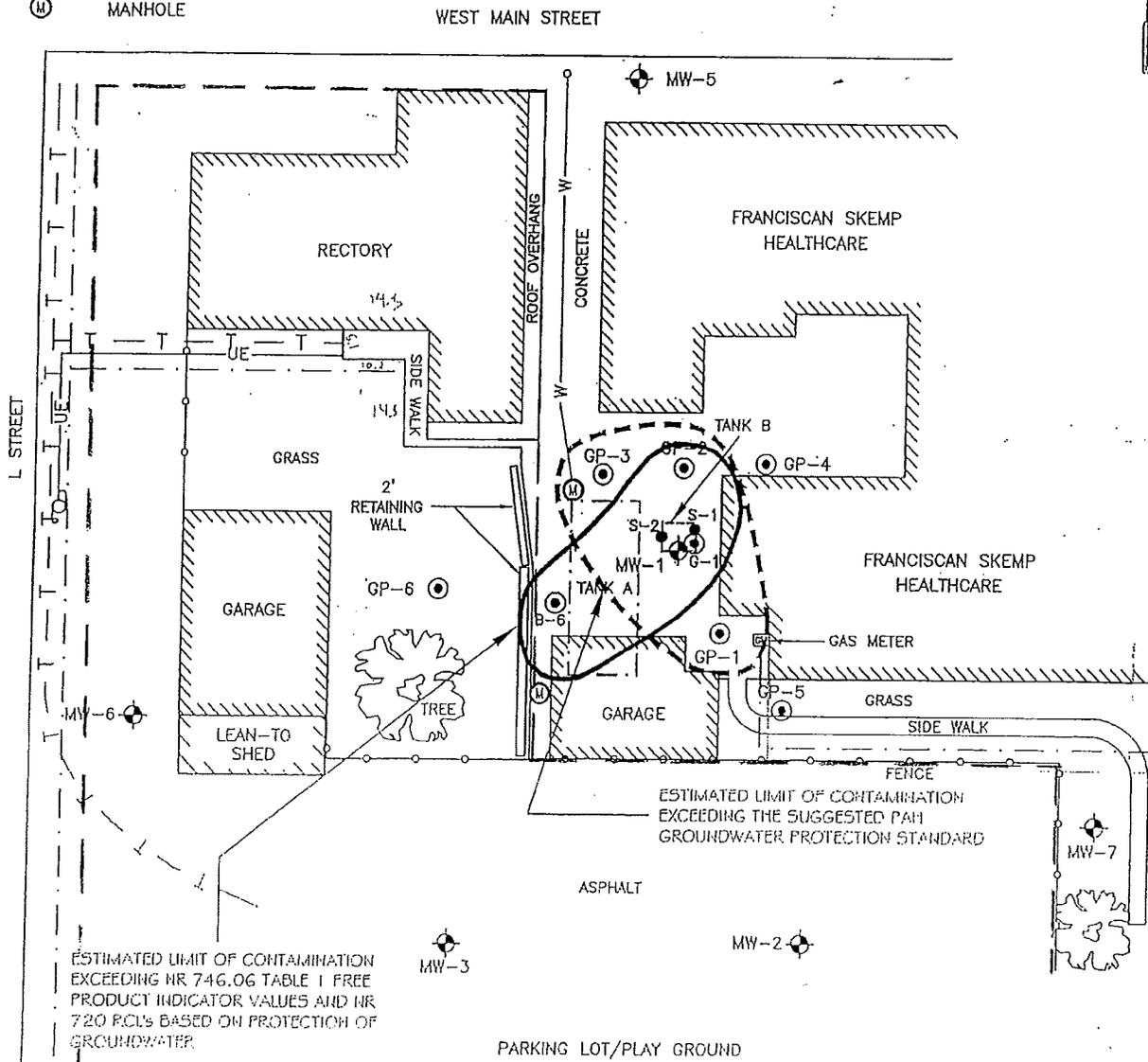
LEGEND

- MONITORING WELL
- GEOPROBE/SOIL BORING LOCATION
- UNDERGROUND STORAGE TANK
- UTILITY POLE
- UNDERGROUND ELECTRIC
- BURIED TELEPHONE CABLE
- BURIED GAS LINE
- UNDERGROUND WATER
- MANHOLE

TANK LEGEND

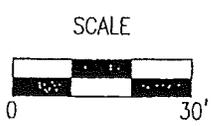
- A 20,000-GALLON HEATING OIL TANK (ABANDONED IN-PLACE)
- B 1,000-GALLON HEATING OIL TANK (REMOVED)

--- Property Boundaries



ENGINEER	DATE
ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
12/14/05	
ARW:	
DRAWN BY:	
DRAWING NO. 020286-25cd	

Shaw® Shaw Environmental, Inc.
 631 Center Court
 Oshkosh, Wisconsin 54650



SOIL CONTAMINANT DISTRIBUTION	FIGURE NO.
FRANCISCAN SKEMP HEALTHCARE SITE SPARTA, WISCONSIN	2

Modified by METCO, M.M., 01/23/13

D.1 Location map

LEGEND

- MONITORING WELL
- GEOPROBE/SOIL BORING LOCATION
- UNDERGROUND STORAGE TANK
- UTILITY POLE
- UNDERGROUND ELECTRIC
- BURIED TELEPHONE CABLE
- BURIED GAS LINE
- UNDERGROUND WATER
- MANHOLE

TANK LEGEND

- A 20,000-GALLON HEATING OIL TANK (ABANDONED IN-PLACE)
- B 1,000-GALLON HEATING OIL TANK (REMOVED)

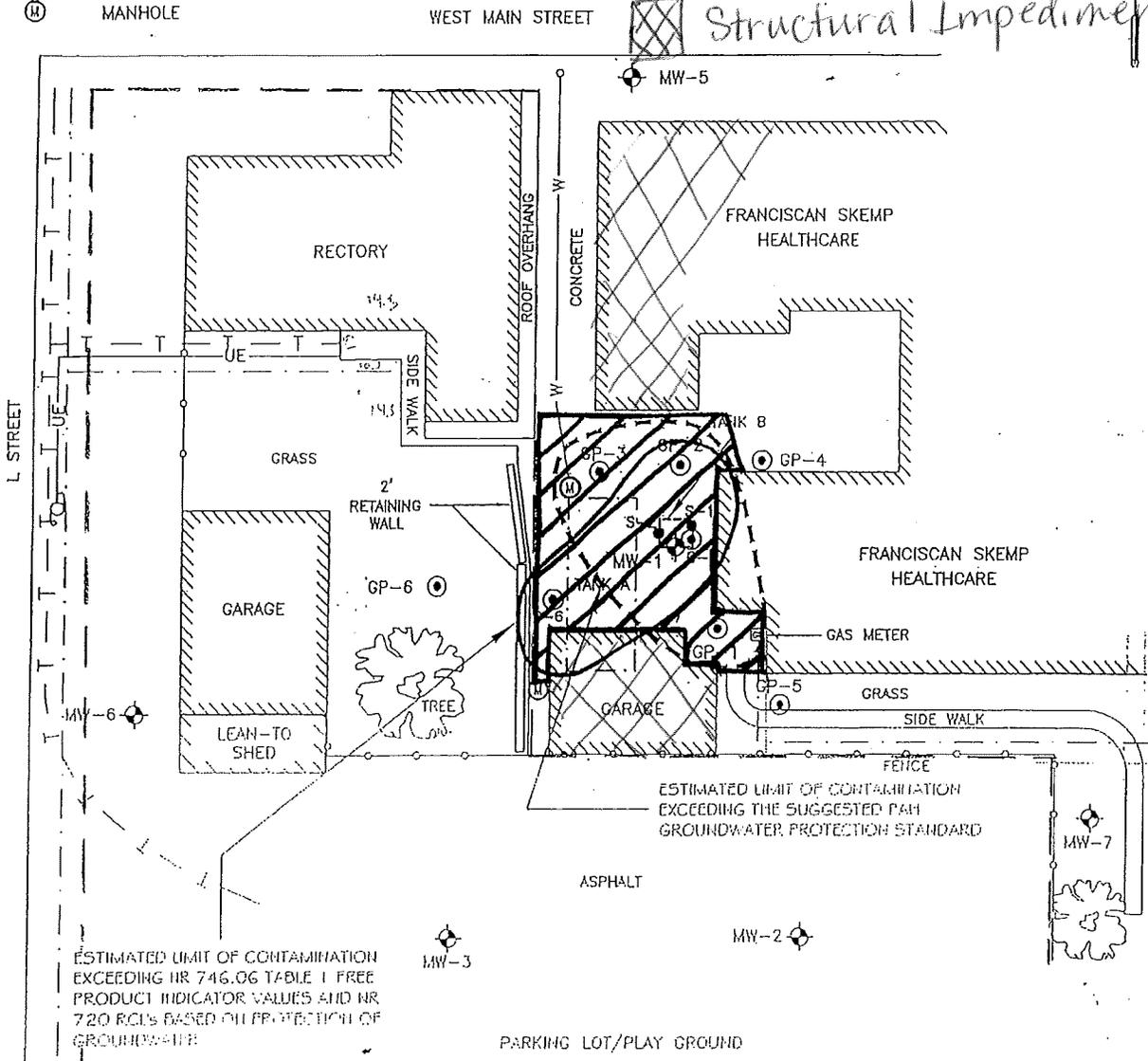
--- Property Boundaries



Area of Barrier to be Maintained.

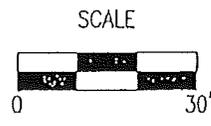


Structural Impediment



ENGINEER	DATE
ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
12/14/05	ARW
DRAWN BY:	
020256-2.scd	
DRAWING NO.	

Shaw® Shaw Environmental, Inc.
 531 Center Court
 Oshkosh, Wisconsin 54650



SOIL CONTAMINANT DISTRIBUTION	FIGURE NO.
FRANCISCAN SKEMP HEALTHCARE SITE	2
SPARTA, WISCONSIN	

Modified by METCO, M.M., 01/23/13

D.2 Maintenance Plan-Brief Description

BARRIER MAINTENANCE PLAN

January 28, 2013

Franciscan Skemp Healthcare

Property Located at:

310 West Main Street
Sparta, WI 54656

FID # 642066480, WDNR BRRTS # 03-42-107318

See attached deed for legal description (Attachment G.1).
Parcel ID # 281-01890-0000

Introduction

This document is the Maintenance Plan for a asphalt/concrete barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing concrete barrier occupying the area over the contaminated soil on-site.

More site-specific information about this property may be found in:

The case file in the DNR West Central regional office

BRRTS on the Web (DNR's internet based data base of contaminated sites):
<http://botw.dnr.state.wi.us/botw/SetUpBasicSearchForm.do>

GIS Registry PDF file for further information on the nature and extent of contamination:
<http://dnrmaps.wisconsin.gov/imf/imfApplyTheme.jsp?index=1>; and

The DNR project manager for Monroe County.

Description of Contamination

Soil contaminated by Diesel Range Organics, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzene, Xylene, Methyl Naphthalene, and Phenanthrene is located at a depth of approximately 14 feet below ground surface and measure approximately 50 feet long, 48 feet wide, and up to 10 feet thick. The extent of the soil contamination is shown on the Barrier Maintenance Map presented in Attachment D.1.

Description of the Barrier to be Maintained

The Barrier consists of concrete. It is located in area of the removed 1,000 gallon heating oil UST and the abandoned-in-place 20,000 gallon heating oil UST as shown on the Barrier Maintenance Map presented in Attachment D.1.

Barrier Purpose

The concrete barrier over the contaminated soil serve as a barrier partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
West Central Region Headquarters
1300 West Clairemont Avenue
Eau Claire WI 54702-4001

Scott Walker, Governor
Cathy Stepp, Secretary
Daniel Baumann, Regional Director
Telephone 715-839-3700
FAX 715-839-6076
TTY Access via relay - 711



April 19, 2013

Mr. Dan Scholze
Franciscan Skemp Health Care
310 West Main Street
Sparta, Wisconsin 54656

Subject: Conditional Closure Decision with Requirements to Achieve Final Closure, Franciscan Skemp Health Care, 310 West Main Street, Sparta, Wisconsin
WDNR BRRTS Activity # 03-42-107318.

Dear Mr. Scholze:

On April 4, 2013, the West Central Region (WCR) Closure Committee reviewed your request for closure of the case described above. The WCR Closure Committee reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After review of the closure request, we have determined that the petroleum contamination on the site from the former underground storage tanks appears to have been investigated and remediated to the extent practicable under site conditions. Your case has been remediated to Department standards in accordance with s. NR 726.05, Wis. Adm. Code and will be closed if the following conditions are satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in accordance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to DNR staff name on Form 3300-005, found at <http://dnr.wi.gov/topic/DrinkingWater/documents/forms/3300005.pdf> or provided by the Department of Natural Resources.

PURGE WATER, WASTE AND SOIL PILE REMOVAL

Any remaining purge water, waste and/or soil piles generated as part of site investigation or remediation activities must be removed from the site and disposed of or treated in accordance with Department of Natural Resources' rules. Once that work is completed, please send appropriate documentation regarding the treatment or disposal of the remaining purge water, waste and/or soil piles.

When the conditions above have been satisfied, please submit the appropriate documentation (for example, well abandonment forms, disposal receipts, copies of correspondence, etc.) to verify that applicable conditions have been met, and your case will be closed. Your site will be listed on the DNR's Remediation and Redevelopment GIS Registry. Information that was submitted with your closure request application will be included on the GIS Registry. To review the site on the GIS Registry web page, visit the RR Sites Map page at: <http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>.

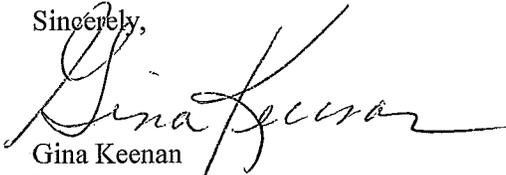
CONTINUING OBLIGATIONS AND RESPONSIBILITIES

As part of the approval of the closure of this case, you will be responsible for maintaining the following continuing obligations: soil barrier-pavement must be maintained over contaminated soil to prevent direct contact and groundwater pathway issues. In the final closure approval, you will also be required to conduct annual inspections. Documentation of the inspection will be required to be kept on site.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at 715-839-3765.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gina Keenan". The signature is written in black ink and is positioned above the printed name and title.

Gina Keenan
Hydrogeologist
Remediation & Redevelopment Program

cc: Jason Powell, METCO, 709 Gillette Street, Suite 3, La Crosse, WI 54603
WCR case file

Site Summary

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

1. General Site Information and Site History

- A. **Site Location:** Describe the physical location of the site, both generally and specific to its immediate surroundings.
The site is located at 310 West Main Street, Sparta, Wisconsin. It is bordered to the North by three other properties owned by Franciscan Skemp, to the East by South K Street, and is bordered on the West and South by a property owned by St. Patrick Parish (PID# 281-00442-0000).
- B. **Prior and current site usage:** Specifically describe the current and historic occupancy and types of use.
A hospital and nursing home have occupied this property since the early 1900's and was formally known as St. Mary's Hospital.
- C. Describe how and when site contamination was discovered.
On June 5, 1996, METCO conducted a Tank Closure Site Assessment during the removal of a 1,000 gallon heating oil UST. Petroleum contamination was discovered in soil sample S-1 (15 ppm DRO) at a depth of 9 feet below ground surface in the area of the removed heating oil UST.

Due to the low levels of petroleum contamination found during the Tank Closure Site Assessment, METCO conducted an Additional Sampling Project on September 3, 1996. Soil sample G-1-2 collected at 17-19 feet below ground surface showed 850 ppm DRO.

On October 3, 1996, the WDNR was notified of petroleum contamination at the Franciscan Skemp Health Care-Sparta Campus who then required that a LUST Investigation be conducted.
- D. Describe the type(s) and source(s) or suspected source(s) of contamination.
The contamination appears to be due to heating oil (#5 fuel oil). There have been two heating oil tanks on the property. A 20,000 gallon heating oil tank was abandoned in-place in 1984 and the 1,000 gallon heating oil tank was removed on June 05, 1996.
- E. Other relevant site description information (or enter Not Applicable).
Not Applicable
- F. List BRRTS activity site name and number for all other BRRTS activities at this property, including closed cases.
No other BRRTS activities are/have occurred at this site.
- G. List BRRTS activity/site name(s) and number(s) for all properties immediately adjacent to this site, and those impacted by contamination from this site.
No other BRRTS activities are/have occurred immediately adjacent to this site.
- H. **Current zoning** (e.g. industrial, commercial, residential) for the site and for neighboring properties, and how verified (Provide documentation in Attachment G).
The subject property is zoned B-1: Downtown Business District for the City of Sparta while the neighboring property is zoned CU: Civic Use.

2. General Site Conditions

- A. **Soil/Geology**
- i. Describe soil type(s) and relevant physical properties, thickness of soil column across the site, vertical and lateral variations in soil types.
Geologic materials in the area of the Franciscan Skemp Health Care-Sparta Campus site generally consist of a tan to brown, very fine to medium grained sand from ground surface to at least 27 feet.

The unconsolidated materials are alluvial deposits derived locally by erosion of Cambrian sandstones. No other characteristics concerning the local sediments such as structures, voids, layering, lenses, or secondary permeability were observed during our investigation.
- ii. Describe the composition, location and lateral extent, and depth of fill or waste deposits on the site.
No fill or waste deposits are known to exist on this site.
- iii. Depth to bedrock, bedrock type, and whether or not it was encountered during the investigation.
Bedrock was not encountered at this site in any of the completed borings, but is expected to exist from approximately 30-110 feet below ground surface according to Wisconsin Geologic Logs for this area.

- iv. Describe the nature and locations of current surface cover(s) across the site (e.g. natural vegetation, landscaped areas, gravel, hard surfaces, and buildings).

The majority of the property is covered by buildings. The area of the former UST is covered by concrete. Current surface covers are presented on the B.I.b Detailed Site Map.

B. Groundwater

- i. **Discuss depth to groundwater and piezometric elevations.** Describe and explain depth variations, and whether free product affects measurement or water table elevation. Describe the stratigraphic unit(s) where water table was found or which were measured for piezometric levels.

According to data collected from the on-site monitoring wells, the depth to groundwater ranges from approximately 16.19 to 22.50 feet below ground surface depending upon well location and the time of year.

As with most unconfined aquifers, the local watertable fluctuates in response to intermittent recharge (precipitation and basin underflow) and discharge (surface waters, basin underflow, and wells).

- ii. Discuss groundwater flow direction(s), shallow and deep. Describe and explain flow variations, including fracture flow if present.

According to the watertable measurements collected during groundwater sampling, local horizontal groundwater flow in the immediate area of the Franciscan Skemp Health Care-Sparta Campus site is toward the south to southeast.

- iii. Discuss groundwater flow characteristics: hydraulic conductivity, flow rate and permeability, or state why this information was not obtained.

Based on other local LUST sites the hydraulic conductivity ranges from approximately 0.0085 cm/s to 0.023 cm/s. The flow rate at this site, based off of the hydraulic conductivity of local LUST sites, is between 0.29 to 0.78 feet/day.

- iv. Identify and describe locations/distance of potable and/or municipal Wells within 1200 feet of the site.

There are no known potable and/or municipal wells within 1,200 feet of this site. The closest known private well is located approximately 2,500 feet southwest. The closest municipal well is Well #6 located approximately 3,300 feet the west of the site.

3. Site Investigation Summary

A. General

- i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

Please see attached page.

3. Site Investigation Summary

A. General

i. Provide a brief summary of the site investigation history. Reference previous submittals by name and date. Describe site investigation activities undertaken since the last submittal for this project and attach the appropriate documentation in Attachment C, if not previously provided.

In 1984, a 20,000 gallon heating oil UST was abandoned in-place.

On December 5, 1992, METCO conducted a Tank Closure Site Assessment during the removal of a 1,000 gallon gasoline UST system. (Tank Closure/Site Assessment Report, 12/28/1992)

On June 5, 1996, METCO conducted a Tank Closure Site Assessment during the removal of a 1,000 gallon heating oil UST and on September 3, 1996 conducted an Additional Sampling Project. (Tank Closure Site Assessment and Additional Sampling Project Report, 10/03/1996)

On October 3, 1996, the WDNR was notified of petroleum contamination at the Franciscan Skemp Health Care-Sparta Campus who then required that a LUST Investigation be conducted. (Tank Closure Site Assessment Report, 10/03/1996)

On November 17, 1998, six borings were completed with soil samples collected for field and/or laboratory analysis. Four borings were converted into monitoring wells. (LUST Investigation Report, 07/09/2001)

On June 06, 2003 five Geoprobe borings were advanced to define the extent of free product in the vicinity of MW-1. (Status Update, 04/30/2004)

On July 27, 2004 three Geoprobe borings were advanced to define the extent of soil contamination. Two borings were converted to monitoring wells. Free product was first encountered on September 24, 2002. Free product removal activities took place from June 18, 2004 to November 02, 2005. (Project Update, 01/30/2006)

On October 06, 2010, METCO conducted a free product check of all site monitoring wells and collected groundwater samples for laboratory analysis. (Groundwater Monitoring Report, 01/05/2011)

On April 12, 2011, Soil Essentials of New Glarus, WI conducted a drilling project under the direction of METCO personnel. During the project two temporary monitoring wells were installed. (Summary Report, 06/15/2011)

On March 08 and April 13, 2012, Chief Liquid Waste, Inc. of Winneconne, WI, performed free product pumping event and removed approximately 450 and 400 gallons of free product/waste water respectfully.

On March 08, April 13, and May 10, 2012, METCO conducted free product checks on monitoring well MW-1 and temporary wells TW-1 and TW-2. (Summary Report, 06/04/2012)

Ten rounds of groundwater sampling were collected between November 30, 1998 and April 27, 2011.

- ii. Identify whether contamination extends beyond the source property boundary, describe the off-site media (e.g., soil, groundwater, etc.) impacted, and the vertical and horizontal extent of off-site impacts.
Soil and groundwater contamination exist onto the neighboring property to the West and South. The soil contamination extends West less than five feet onto the neighboring property and is located at a depth of 14 feet to 20 feet below ground surface. Groundwater contamination extends approximately 70 feet West and 60 feet to the South onto the neighboring property. Depth to water ranges from 16 to 22.5 feet below ground surface.
- iii. Identify any structural impediments to the completion of site investigation and/or remediation and whether these impediments are on the source property or off the source property. Identify the type and location of any structural impediment (e.g., structure) that also serves as the performance standard barrier for protection of the direct contact or the groundwater pathway.
Due to the depth of groundwater, sandy soils, and the close proximity to the buildings and abandoned in place UST, excavation of contaminated soil and smear zone would have been problematic.

B. Soil

- i. Describe degree and extent of **soil contamination** at and from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways.
The area of soil contamination, which exceeds the NR720 Soil Cleanup Standards and/or NR746 Table 1 values measures approximately 22 feet wide and 48 feet long and extends to the north of the removed 1,000 gallon UST and includes the abandoned in-place 20,000 gallon UST and to the west of said UST. The estimated area of soil contamination exceeding the suggested PAH groundwater protection standards from RR-519 measures 30 feet wide by 50 feet long and extends north, northwest of the removed 1,000 gallon UST and to the southeast of the removed UST.
- ii. Describe the level and types of **soil contaminants** found in the upper four feet of the soil column.
No soil contamination was found to exist within the top four feet of the soil column.
- iii. Identify the ch. NR 720, Wis. Adm. Code, method used to establish the soil cleanup standards for this site: for example, a Residual Contaminant Level (RCL), a Site-Specific Residual Contaminant Level (SSRCL), or a Performance Standard as determined under ss NR 720.09, 720.11 and 720.19, Wis. Adm. Code. Identify the land use classification that was used to establish cleanup standards. Provide a copy of the supporting calculations/information in Attachment C.
Generic Residual Contamination Levels (RCLs) for PVOC compounds were used from NR 720.09 for groundwater protection and NR 746.06 Table 1 and Table 2 were used for free product indicator and direct contact RCLs respectfully. For PAH compounds RR-519 Table 1 values were used for non-industrial direct contact RCLs and groundwater pathway RCLs.

C. Groundwater

- i. Describe degree and extent of groundwater contamination at or from this site. Relate this to known or suspected sources and known or potential receptors/migration pathways. Specifically address any potential or existing impacts to water supply wells or interception with building foundation drain systems.
The groundwater contamination plume which exceeds NR 140 Enforcement Standards (ES), appears to measure 140 feet at its widest and 125 feet at its longest. The last two rounds of groundwater monitoring have shown no NR 140 ES exceedances in any of the wells for PVOC compounds and only temporary well TW-1 and TW-2 show NR 140 Preventive Action Limits (PAL) exceedances [Benzene (3.3 ppb and 0.97 ppb respectfully)]. Monitoring wells MW-2, MW-3, and MW-6 show ES exceedances for PAH compounds. The area of groundwater contamination includes the removed 1,000 gallon UST and abandoned in-place 20,000 gallon UST.
- ii. Describe the presence of free product at the site, including the thickness, depth, and locations.
Free product was first encountered in Monitoring well MW-1 on September 24, 2002 (40 inches with approximately 0.5 gallons recovered). The free product consists of #5 fuel oil and due to the high viscosity of this material getting accurate measurements has been difficult during some free product check events. The most free product encountered was 70 inches (2 gallons removed) on October 22, 2002. From June 18, 2004 to August 08, 2005, 37 free product recovery events took place recovering approximately 1.98 gallons of free product. Since the April 12, 2011 free product recovery event (36 inches) free product has decreased in monitoring well MW-1 to 10 inches during the last three free product events.

On April 12, 2011 two temporary wells (TW-1 and TW-2) were installed to the north and south of monitoring well MW-1 to determine the extent of free product. Temporary well TW-1 only showed free product once on March 08, 2012 before the first free product vacuum pumping project.

On March 08 and April 13, 2012, Chief Liquid Waste, Inc. of Winneconne, WI, performed free product pumping event and removed approximately 450 and 400 gallons of free product/waste water respectfully.

D. Vapor

- i. Describe how the vapor migration pathway was assessed, including locations where vapor or indoor air samples were collected. If the vapor pathway was not assessed, explain reasons why.

Concerning the potential for vapor intrusion: 1) Free product (10 inches) is present in MW-1, which is located approximately 7 feet west of the building in the area of the removed heating (fuel) oil UST, however fuel oil is less likely to volatilize. 2) There does not appear to be any significant PVOC contamination within 5 feet of ground surface. 3) Benzene concentrations in groundwater are significantly lower than 1,000 ppb.

- ii. Identify the applicable DNR action levels and the land use classification used to establish them. Describe where the DNR action levels were reached or exceeded (e.g., sub slab, indoor air or both).
No indoor/sub-slab vapor samples were collected.

E. Surface Water and Sediment

- i. Identify whether surface water and/or sediment was assessed and describe the impacts found. If this pathway was not assessed, explain why.

The nearest surface water is the La Crosse River, which exists approximately 2,000 feet to the south of the Franciscan Skemp Health Care-Sparta Campus. Due to the distance no surface water and/or sediment samples were collected.

- ii. Identify any surface water and/or sediment action levels used to assess the impacts for this pathway and how these were derived. Describe where the DNR action levels were reached or exceeded.
No surface water and/or sediment samples were collected.

4. Remedial Actions Implemented and Residual Levels at Closure

- A. General: Provide a brief summary of the remedial action history. List previous remedial action report submittals by name and date. Identify remedial actions undertaken since the last submittal for this project and provide the appropriate documentation in Attachment C.

Free product removal events by hand bailing have occurred from September 24, 2002 to May 10, 2012 with a total of 97 events and approximately 9.30 gallons recovered. On March 08 and April 13, 2012, Chief Liquid Waste, Inc. of Winneconne, WI, performed two free product pumping events and removed approximately 450 and 400 gallons of free product/waste water respectfully.

- B. Describe any immediate or interim actions taken at the site under ch NR 708, Wis. Adm. Code.

Free product removal events by hand bailing have occurred from September 24, 2002 to May 10, 2012 with a total of 97 events and approximately 9.30 gallons recovered. On March 08 and April 13, 2012, Chief Liquid Waste, Inc. of Winneconne, WI, performed two free product pumping events and removed approximately 450 and 400 gallons of free product/waste water respectfully.

- C. Describe the *active* remedial actions taken at the site, including: type of remedial system(s) used for each media impacted; the size and location of any excavation or in-situ treatment; the effectiveness of the systems to address the contaminated media and substances; operational history of the systems; and summarize the performance of the active remedial actions. Provide any system performance documentation in Attachment A.7.

No active remedial actions were taken at this site.

- D. Provide a discussion of the nature, degree and extent of residual contamination that will remain at the site or on off-site affected properties after case closure.

The area of soil contamination, which exceeds the NR720 Soil Cleanup Standards and/or NR746 Table 1 values measures approximately 22 feet wide and 48 feet long and extends to the north of the removed 1,000 gallon UST and includes the abandoned in-place 20,000 gallon UST and to the west of said UST. The estimated area of soil contamination exceeding the suggested PAH groundwater protection standards from RR-519 measures 30 feet wide by 50 feet long and extends north/northwest of the removed 1,000 gallon UST and to the southeast of the removed UST.

The groundwater contamination plume which exceeds NR 140 Enforcement Standards (ES), appears to measure 140 feet at its widest and 125 feet at its longest. The last two rounds of groundwater monitoring have shown no NR 140 ES exceedances in any of the wells for PVOC compounds and only temporary well TW-1 and TW-2 show NR 140 Preventive Action Limits (PAL) exceedances [Benzene (3.3 ppb and 0.97 ppb respectfully)]. Monitoring wells MW-2, MW-3, and MW-6 show ES exceedances for PAH compounds.

- E. Describe the remaining soil contamination within four feet of ground surface (direct contact zone) that attains or exceeds the ch. NR720, Wis. Adm. Code, standard(s) for direct contact.

No soil contamination was found to exist within four feet of ground surface.

- F. Describe the remaining soil contamination in the vadose zone that attains or exceeds the soil standard(s) for the groundwater pathway.

The area of soil contamination, which exceeds the NR720 Soil Cleanup Standards values measures approximately 22 feet wide and 48 feet long and extends to the north of the removed 1,000 gallon UST and includes the abandoned in-place 20,000 gallon UST and to the west of said UST. The estimated area of soil contamination exceeding the suggested PAH groundwater protection standards from RR-519 measures 30 feet wide by 50 feet long and extends north/northwest of the removed 1,000 gallon UST and to the southeast of the removed UST.

- G. Describe how the residual contamination will be addressed, including but not limited to details concerning: covers, engineering controls or other barrier features; use of natural attenuation of groundwater; and vapor mitigation systems or measures.

Residual soil contamination can be address by the use of a concrete barrier to control groundwater infiltration through the residual soil contamination. Residual groundwater contamination can be address through natural attenuation.

- H. If using natural attenuation as a groundwater remedy, describe how the data collected supports the conclusion that natural attenuation is effective in reducing contaminant mass and concentration, (e.g. stable or receding groundwater plume).

Based on these groundwater sample results, the contaminant levels in down/side-gradient monitoring wells MW-2, MW-3, and MW-6 appear to be stable to decreasing compared with earlier groundwater sampling events.

- I. Identify how all exposure pathways were removed and/or adequately addressed by immediate and/or remedial action(s) described above in paragraphs, B, C, D, E and F.

Residual soil contamination can be address by the use of a concrete barrier to control groundwater infiltration through the residual soil contamination. Residual groundwater contamination can be address through natural attenuation. Free product has been removed via hand bailing and most recently by pumping. Free product has decreased in Monitoring well MW-1 from 36 inches (4/12/2011) to 10 inches (5/10/2012) after the free product recovery by hand bailing and two free product pumping events.

- J. Identify any system hardware anticipated to be left in place after site closure, and explain the reasons why it will remain.
- No system hardware is anticipated to be left in place.

- K. Identify the need for a ch. NR 140, Wis. Adm. Code, groundwater Preventive Action Limit (PAL) or Enforcement Standard (ES) exemption, and identify the affected monitoring points and applicable substances.

Residual groundwater contamination in exceedance of the ES and/or PAL can be address through natural attenuation and further groundwater contamination can be prevented by the use of a concrete barrier to control groundwater infiltration through residual soil contamination. Monitoring/temporary wells MW-1, MW-2, MW-3, MW-6, TW-1, and TW-2 currently show ch. NR140 ES exceedances for one or more PAH compound. Monitoring well MW-1 currently shows an ES exceedance for PVOC compounds. Temporary wells TW-1 and TW-2 currently show PAL exceedances for PVOC compounds.

- L. If a DNR action level for vapor intrusion was exceeded (for indoor air, sub slab, or both) describe where it was exceeded and how the pathway was addressed.

Concerning the potential for vapor intrusion: 1) Free product (10 inches) is present in MW-1, which is located approximately 7 feet west of the building the building in the area of the removed heating (fuel) oil UST, however fuel oil is less likely to volatilize. 2) There does not appear to be any significant PVOC contamination within 5 feet of ground surface. 3) Benzene concentrations in groundwater are significantly lower than 1,000 ppb. No indoor/sub-slab vapor samples were collected.

- M. Describe the surface water and/or sediment contaminant concentrations and areas after remediation. If a DNR action level was exceeded, describe where it was exceeded and how the pathway was addressed.

The nearest surface water is the La Crosse River, which exists approximately 2,000 feet to the south of the Franciscan Skemp Health Care-Sparta Campus. Due to the distance no surface water and/or sediment samples were collected.

5. Continuing Obligations: Situations where a maintenance plan(s) and inclusion on DNR's GIS Registry are required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: Maintenance Plans and GIS Registry	Maintenance Plan (s) Required in Attachment D	GIS Registry Listing
	A. On-Site	B. Off-Site			
i.	<input type="checkbox"/>	<input type="checkbox"/>	Engineering Control/Barrier for Direct Contact	✓	✓
ii.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Engineering Control/Barrier for Groundwater Infiltration	✓	✓
iii.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor Mitigation - post closure passive system	✓	✓
iv.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor Mitigation - post closure active system	✓	✓
v.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None of the above scenarios apply to this case closure	NA	NA

6. Continuing Obligations: Situations where inclusion on DNR's GIS Registry is required.

Directions: Check all that apply to this case closure request:

	This scenario Applies to this Case Closure		Case Closure Scenario: GIS Registry Only	GIS Registry Listing
	A. On-Site	B. Off-Site		
i.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination exceeds ch. NR 720 generic or site-specific RCLs	✓
ii.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sites with groundwater contamination equal to or greater than the ch. NR 140, enforcement standards (ES)	✓
iii.	<input type="checkbox"/>	<input type="checkbox"/>	Monitoring wells: lost, transferred or remaining in use	✓
iv.	<input type="checkbox"/>	<input type="checkbox"/>	Structural Impediment (not as a performance standard)	✓
v.	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination remaining at ch. NR 720 Industrial Use levels	✓
vi.	<input type="checkbox"/>	<input type="checkbox"/>	Vapor intrusion may be future, post-closure issue if building use or land use changes	✓
vii.	<input type="checkbox"/>	<input type="checkbox"/>	None of the above scenarios apply to this case closure	NA

7. Underground Storage Tanks

- A. Were any tanks, piping or other associated tank system components removed as part of the investigation or remedial action? Yes No
- B. Do any upgraded tanks meeting the requirements of ch. SPS 310, Wis. Adm. Code, exist on the property? Yes No
- C. If the answer to question 7b is yes, is the leak detection system currently being monitored? Yes No

Data Tables (Attachment A)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General directions for Data Tables:

- Use bold and italics font on information of importance on tables and figures. Use **bold font** for ch. NR 140, Wis. Adm. Code, groundwater enforcement standard (ES) attainments or exceedances, and *italicized font* for ch. NR 140, Wis. Adm. Code, groundwater preventive action limit (PAL) standard attainments or exceedances.
- Do not use shading or highlighting on the analytical tables.
- Include on Data Tables the level of detection for results which are below the detection level (i.e. do not just list as no detect (ND)).
- Include the units on data tables.

- Summaries of all data must include information collected by previous consultants.
- Do not submit lab data sheets unless these have not been submitted in a previous report. Tabulate all data required in s. NR 716.15(2)(g)3, Wis. Adm. Code, in the format required in s. NR 716.15(2)(h)3, Wis. Adm. Code.
- Include in Attachment A all of the following tables, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: A.1. Groundwater Analytical Table; A.2. Pre-remedial Soil Analytical Table, etc).
- For required documents, each table (e.g., A.1., A.2., etc.,) should be a separate PDF.

A. Data Tables

- A.1. **Groundwater Analytical Table(s):** Table(s) showing the analytical results and collection dates, for all groundwater sampling points e.g. monitoring wells, temporary wells, sumps, extraction wells, any potable wells and any other wells, extraction wells and any potable wells for which samples have been collected.
- A.2. **Pre-remedial Soil Analytical Table(s):** Table(s) showing the soil analytical results and collection dates - prior to conducting the interim and/or remedial action. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.3. **Post-remedial Soil Analytical Table(s):** Table(s) showing the post-remedial action soil analytical results and collection dates. Indicate if sample was collected above or below the all-time low water table (unsaturated verses saturated).
- A.4. **Pre and Post Remaining Soil Contamination Soil Analytical Table(s):** Table(s) showing only the pre and post remedial action soil analytical results that exceed a Residual Contaminate Level (RCL) or a Site-Specific Residual Level (SSRCL).
- A.5. **Vapor Analytical Table:** Table(s) showing type(s) of samples, sample collection methods, analytical method, sample results, date of sample collection, time period for sample collection, method and results of leak detection, and date, method and results of communication testing.
- A.6. **Other Media of Concern (e.g., sediment or surface water):** Table(s) showing type(s) of sample, sample collection method, analytical method, sample results, date of sample collection, time period for sample collection, method and results sampling.
- A.7. **Water Level Elevations:** Table(s) showing all water level elevation measurements and dates from all monitoring wells. If present, free product should be noted on the table.
- A.8. **Other:** This attachment should include: 1) any available tabulated natural attenuation data; 2) data tables pertaining to engineered remedial systems that document operational history, demonstrate system performance and effectiveness, and display emissions data; and (3) any other data tables relevant to case closure not otherwise noted above. If this section is not applicable, please explain the reasons why.

Maps and Figures (Attachment B)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions for all Maps and Figures:

- If any map or figure is not relevant to the case closure request, you must fully explain the reason(s) why and attach that explanation (properly labeled with the map/ figure title) in Attachment B.
- Provide on paper no larger than 11 x 17 inches, unless otherwise directed by the Department. Maps and figures may be submitted in a larger electronic size than 11x17 inches, in a portable document format (pdf) readable by the Adobe Acrobat Reader. However, those larger-size documents must be legible when printed.
- Prepare visual aids, including maps, plans, drawings, fence diagrams, tables and photographs according to the applicable portions of ss. NR 716.15(2)(h)1 and 726.05(3)(a)4.d, Wis Adm. Code.
- Do not use shading or highlights on any of the analytical tables.
- Include all sample locations.
- Contour lines should be clearly labeled and defined.
- Include in Attachment B all of the following maps and figures, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: B.1. Location Map; B.2. Detailed Site Map, etc).
- For the electronic copies that are required, each map (e.g., B.1.a., B.2.a, etc.,) should be a separate PDF.

B.1. Location Maps

- B.1.a. **Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all impacted and/or adjacent parcels. If groundwater standards are exceeded, include the location of all potable wells, including municipal wells, within 1200 feet of the area of contamination.
- B.1.b. **Detailed Site Map:** A map that shows all relevant features (buildings, roads, current ground surface cover, individual property boundaries for on-site and applicable off-site properties, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels

(SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.

- B.1.c. **RR Site Map:** From RR Sites Map (<http://dnrmaps.wi.gov/imf/imf.jsp?site=brrts2>) attach a map depicting the source property, and all open and closed BRRTS sites within a half-mile radius or less of the property.

B.2. Soil Figures

- B.2.a. **Pre-remedial Soil Contamination:** Figure(s) showing the sample location of all pre-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeded a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code.
- B.2.b. **Post-remedial Soil Contamination :** Figure(s) showing the sample location of all post-remedial, unsaturated contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site-Specific Residual Contaminant Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Adm. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.
- B.2.c. **Pre/Post Remaining Soil Contamination:** Figure(s) showing the only location of all pre and post remedial residual soil sample location(s) where unsaturated contaminated soil remains after remediation and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site-Specific Residual Level (SSRCL) as determined under ss. NR 720.09, 720.11 and 720.19, Wis. Admin. Code. A separate contour line should be used to indicate the extent of residual direct contact exceedances.

B.3. Groundwater Figures

- B.3.a. **Geologic Cross-Section Figure(s):** One or more cross-section diagrams showing soil types and correlations across the site, water table and piezometric elevations, and locations and elevations of geologic rock units, if encountered. Display on one or more figures all of the following:
- Source location(s) and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
 - Source location(s) and lateral and vertical extent if groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES)
 - Surface features, including buildings and basements, and show surface elevation changes.
 - Any areas of active remediation within the cross section path, such as excavations or treatment zones.
 - Include a map displaying the cross-section location(s), if they are not displayed on the Detailed Site Map (Map B.1b)
- B.3.b. **Groundwater Isoconcentration:** Figure(s) showing the horizontal extent of the post-remedial groundwater contamination exceeding a ch. NR 140, Wis. Adm. Code, Preventive Action Limit (PAL) and/or an Enforcement Standard (ES). Indicate the date and direction of groundwater flow based on the most recent sampling data.
- B.3.c. **Groundwater Flow Direction:** Figure(s) representing groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit two groundwater flow maps showing the maximum variation in flow direction.
- B.3.d. **Monitoring Wells:** Figure(s) showing all monitoring wells, with well identification number. Clearly designate any wells that: (1) are proposed to be abandoned; (2) cannot be located; (3) are being transferred; (4) will be retained for further sampling, or (5) have been previously abandoned.

B.4. Vapor Maps and Other Media

- B.4.a. **Vapor Intrusion Map:** Map(s) showing all locations and results for samples taken to investigate the vapor intrusion pathway, in relation to remaining soil and groundwater contamination, including sub-slab, indoor air, soil vapor, ambient air, and communication testing. Show locations and footprints of affected structures and utility corridors, and/or where residual contamination poses a future risk of vapor intrusion.
- B.4.b. **Other media of concern (e.g., sediment or surface water):** Map(s) showing all sampling locations and results for other media investigation. Include the date of sample collection and identify where any standards are exceeded.
- B.4.c. **Other:** Include any other relevant maps and figures not otherwise noted above. (This section may remain blank)

Documentation of Remedial Action (Attachment C)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- Include in Attachment C all of the following documentation, in the order prescribed below, with the specific Closure Form titles noted on the separate attachments (e.g., Title: C.1. Site Investigation Documentation; C.2. Investigative Waste, etc).
- If the documentation requested below is "not applicable" to the site-specific circumstances, include a brief explanation to support that conclusion.
- If the documentation requested below has already been submitted to the Department, please note the title and date of the report for

that particular document requested.

- C.1. **Site investigation documentation**, that has not otherwise been previously submitted.
- C.2. **Investigative waste disposal documentation**.
- C.3. **NR 720.19 analysis**, assumptions and calculations for site specific RCLs (SSRCLs) , with justification, including EPA Soil Screening Level Model Calculations and results.
- C.4. **Construction documentation** or as-built report for any constructed remedial action or portion of, or interim action specified in s. NR 724.02(1), Wis. Adm. Code.
- C.5. **Decommissioning of Remedial Systems**. Include plans to properly abandon any systems or equipment upon receiving conditional closure.
- C.6. **Photos**. For sites or facilities with a cover or other performance standard, a structural impediment or a vapor mitigation system. Include one or more photographs documenting the condition and extent of the feature at the time of the closure request. Pertinent features should be visible and discernible. Photographs must be labeled with the site name, the features shown, location and the date on which the photograph was taken.
- C.7. **Other**. Include any other relevant documentation not otherwise noted above. (This section may remain blank)

Maintenance Plan(s) (Attachment D)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

When one or more "maintenance plans" are required for a site closure, include in each maintenance plan all required information in sections D.1. through D.5. below, and attach the plan(s) in Attachment D. The following "model" maintenance plans can be located at: (1) Maintenance plan for a engineering control or cover: <http://dnr.wi.gov/topic/Brownfields/documents/maintenance-plan.pdf>; and (2) Maintenance plan for vapor intrusion: http://dnr.wi.gov/topic/Brownfields/documents/appendix5_606.pdf.

- D.1. **Location map(s)** which show(s): (1) the feature that requires maintenance; (2) the location of the feature(s) that require(s) maintenance - on and off the source property; (3) the extent of the structure or feature(s) to be maintained, in relation to other structures or features on the site; (4) the extent and type of residual contamination; and (5) and all property boundaries.
- D.2. **Brief descriptions** of the type, depth and location of residual contamination.
- D.3. **Description of maintenance action(s)** required for maximizing effectiveness of the engineered control, vapor mitigation system, feature or other action for which maintenance is required.
- D.4. **Inspection log**, to be maintained on site, or at a location specified in the maintenance plan or approval letter.
- D.5. **Contact information**, including the name, address and phone number of the individual or facility who will be conducting the maintenance.

Monitoring Well Information (Attachment E)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

Attach monitoring well construction and development forms (DNR FORM 4400-113 A and B:

http://dnr.wi.gov/org/water/dwg/gw/forms/4400_113_1_2.pdf) for all wells that will remain in-use, be transferred to another party or that could not be located. A figure of these wells should be included in Attachment B.3.d.

Select One:

- No monitoring wells were required as part of this response action.
- All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure to the site
- Select One or More:**
- Not all monitoring wells can be located, despite good faith efforts. Attachment E must include description of efforts made to locate the "lost" wells.
- One or more wells will be transferred to another owner upon case closure being granted. Attachment E should include documentation identifying the name, address and email for the new owner(s).
- One or more wells will remain in use at the site after this closure. Attachment E must include documentation as to the reason(s) the well(s) will remain in use.

Notifications to Owners of Impacted Properties (Attachment F)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

General Directions:

- State law requires that the responsible party provide a 30-day, written advance notice (i.e., a letter) to certain persons prior to applying for case closure. This requirement applies if: (1) the person conducting the response action does not own the source property; (2) the contamination has migrated onto another property; and/or (3) one or more monitoring wells will not be abandoned.
- A model "template letter" for these mandatory notifications can be downloaded at: <http://dnr.wi.gov/files/PDF/pubs/rr/RR919.pdf>.

Check all that apply to the site-specific circumstances of this case closure:

	A. Impacted Source Property and Owner is not Conducting Cleanup	B. Impacted Right of Way	C. Impacted Off-Site Property Owner	Impacted Property Notification Situations: Ch. NR 726 Appendix A Letter
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Residual groundwater contamination exceeds Ch. NR 140 Wis. Administrative Code enforcement standards.
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Residual soil contamination that attains or exceeds standards is present after the remedial action is complete, and must be properly managed should it be excavated or removed.
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An engineered cover or a soil barrier (e.g. pavement) must be maintained over contaminated soil for direct contact or groundwater infiltration concerns.
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Industrial land use soil standards were used for the clean-up standard.
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A vapor mitigation system (or other specific vapor protection) must be operated and maintained.
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vapor assessment needed if use changes.
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural impediment.
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lost, transferred or open monitoring wells.
9.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable.

If any of the previous boxes in rows 1 thru 8 were checked, include the following as part of Attachment F:

- FORM 4400-246;
- Copy of each letter sent, 30 days or more prior to requesting closure; and
- Proof of receipt for each letter.
- For this site closure, 1 (number) property (ies) has/have been impacted, the owners have been notified, and copies of the letters and receipts are included in Attachment F.

Source Legal Documents (Attachment G)

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Include all of the following documents, in this order, in Attachment G:

- G.1. **Deeds - Source Property and Other Impacted Properties:** The most recent deed with legal descriptions clearly labeled for (1) the **Source Property** (where the contamination originated) and (2) all **off-source** (off-site) properties where letters were required to be sent per the ch. NR 700, Wis. Adm. Code, rule series (e.g., off-site cover maintenance required, lost monitoring well, off-site cover property impacts to groundwater exceeding the ch. NR 140, Wis. Adm. Code.

Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- G.2. **Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (Lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
- G.3. **Verification of Zoning:** Documentation (e.g., official zoning map or letter from municipality) of the property's or properties' current zoning status.
- G.4. **Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description(s) accurately describe(s) the correct contaminated property or properties.

Signatures and Findings for Closure Determination

If any section is not relevant to the case closure request, you must fully explain the reasons why and attach that explanation to the relevant section of the form. All information submitted shall be legible. Providing illegible information may result in a submittal being considered incomplete until corrected.

Check the correct signature block below for this case closure request, and have the proper environmental professional(s) sign this document, in accordance with the ch. NR 700 Wis. Adm. Code rule series. Both boxes may be checked if applicable to this case closure.

A response action(s) for this site addresses groundwater contamination (including natural attenuation remedies). In this situation, the closure request must be prepared by, or under the supervision of, a professional engineer and a hydrogeologist, as defined in ch. NR 712, Wis. Adm. Code. Include both signatures provided below with the submittal.

The response action(s) for this site addresses media other than groundwater. In this situation, the case closure request must be prepared by, or under the supervision of, a professional engineer, as defined in ch. NR 712, Wis. Adm. Code. The "engineering certification" language below, at a minimum, must be signed.

Engineering Certification

I _____ hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this case closure request has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to obtain data, develop conclusions, recommendations and prepare submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Printed Name Title

Signature Date P.E. Stamp and Number

Hydrogeologist Certification

I Ron Anderson hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this case closure request is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code. All phases of work necessary to address groundwater contamination including obtaining data, developing conclusions, recommendations and preparing submittals for this case closure request have been prepared by me, or their preparation has been supervised by me. Specifically, with respect to compliance with the rules, in my professional opinion a site investigation has been conducted in accordance with ch. NR 716, Wis. Adm. Code, and all necessary remedial actions have been completed in accordance with chs. NR 140, NR 718, NR 720, NR 722, NR 724 and NR 726, Wis. Adm. Codes."

Ron Anderson PG _____
Printed Name Title
[Signature] _____
Signature Date
3/19/13



WDNR BRRTS Case # 03-642-107318
Attachment A/Data Tables

WDNR Site Name: Franciscan Skemp Health Care

A.1 Groundwater Analytical Table
Franciscan Skemp Healthcare Sparta Campus BRRTS# 03-42-107318
BY METCO

ROUND 1 WELL SAMPLING CONDUCTED ON NOVEMBER 30, 1998

Well Name	MW-1	MW-2	MW-3	MW-5	DUPL.-MW-1	TRIP BLANK	ENFORCEMENT STANDARD (ES) = BOLD	PREVENTIVE ACTION LIMIT (PAL) = ITALICS
Sampling Round	1	1	1	1	1	1		
Ground Level Elevation in Feet (MSL)	771.71	772.82	773.24	770.82				
PVC Casing Elevation in Feet (MSL)	771.46	772.34	772.24	770.47				
Watertable Elevation in Feet (MSL)	752.88	752.51	752.69	753.23				
Depth to Groundwater in Feet	18.58	19.83	19.55	17.24				

	58000	<26	65	<26	74000	NS	==	==
Diesel Range Organics/ppb								
2-Chlorotoluene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	==	==
4-Chlorotoluene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	==	==
1,2-Dibromoethane(EDB)/ppb	<4.0	<0.40	<0.40	<0.40	<4.0	<0.40	0.05	0.005
1,2-Dibromo-3-Chloropropane/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	0.2	0.02
1,2-Dichlorobenzene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	600	60
1,3-Dichlorobenzene/ppb	<4.0	<0.40	<0.40	<0.40	<4.0	<0.40	600	120
1,4-Dichlorobenzene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	75	15
1,1-Dichloroethane/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	850	85
1,2-Dichloroethane/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	5	0.5
1,2-Dichloropropane/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	5	0.5
1,3-Dichloropropane/ppb	<6.0	<0.60	<0.60	<0.60	<6.0	<0.60	0.4	0.04
2,2-Dichloropropane/ppb	<5.0	<0.50	<0.50	<0.50	<5.0	<0.50	==	==
1,1,2,2-Tetrachloroethane/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	0.2	0.02
1,2,3-Trichlorobenzene/ppb	<4.0	<0.40	<0.40	<0.40	<4.0	<0.40	==	==
1,2,4-Trichlorobenzene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	70	14
1,2,4-Trimethylbenzene/ppb	170	<0.60	<0.60	<0.60	360	<0.60	==	==
1,3,5-Trimethylbenzene/ppb	46	<0.30	<0.30	<0.30	92	<0.30	==	==
Trimethylbenzene (TMB) /ppb	216	<0.90	<0.90	<0.90	452	<0.90	480	96
1,1,1-Trichloroethane/ppb	7.0	0.60	<0.30	1.9	4.0	<0.30	200	40
1,1,2-Trichloroethane/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	5	0.5
Benzene/ppb	20	<0.30	1.4	<0.30	22	<0.30	5	0.5
Bromobenzene/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	==	==
Bromochloromethane/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	0.6	0.06
Carbon tetrachloride/ppb	<4.0	<0.40	<0.40	<0.40	<4.0	<0.40	5	0.5
Chlorobenzene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	==	==
Chlorodibromomethane/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	==	==
Chloroethane/ppb	<8.0	<0.80	<0.80	<0.80	<8.0	<0.80	400	80
Chloroform/ppb	<2.0	0.50	<0.20	0.20	<2.0	<0.20	6	0.6
Chloromethane/ppb	<9.0	<0.90	<0.90	<0.90	<9.0	<0.90	30	3
cis-1,2-Dichloroethene/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	==	==
Dichlorodifluoromethane/ppb	<12	<1.2	<1.2	<1.2	<12	<1.2	1000	200
Diisopropyl ether/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	==	==
Ethylbenzene/ppb	44	<0.20	<0.20	<0.20	59	<0.20	700	140
Hexachlorobutadiene/ppb	<6.0	<0.60	<0.60	<0.60	<6.0	<0.60	==	==
Isopropylbenzene/ppb	6.0	<0.20	<0.20	<0.20	22	<0.20	==	==
Methyl-tert-butyl ether/ppb	<2.0	<0.20	<0.20	<0.20	<2.0	<0.20	60	12
Methylene chloride (Dichloromethane)/ppb	<5.0	<0.50	<0.50	<0.50	7.0	<0.50	5	0.5
n-Butylbenzene/ppb	49	<0.30	<0.30	<0.30	200	<0.30	==	==
n-Propylbenzene/ppb	15	<0.20	<0.20	<0.20	36	<0.20	==	==
Naphthalene/ppb	350	<1.1	<1.1	<1.1	240	<1.1	100	10
m&p-Xylene/ppb	86	<0.30	<0.30	<0.30	120	<0.30	==	==
o-Xylene/ppb	90	<0.50	<0.50	<0.50	130	<0.50	==	==
Xylene (Total) /ppb	176	<0.80	<0.80	<0.80	250	<0.80	2000	400
p-Isopropyltoluene/ppb	5.0	<0.20	<0.20	<0.20	27	<0.20	==	==
sec-Butylbenzene/ppb	3.0	<0.20	<0.20	<0.20	24	<0.20	==	==
tert-Butylbenzene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	==	==
Tetrachloroethene/ppb	<6.0	<0.60	<0.60	<0.60	<6.0	<0.60	==	==
Toluene/ppb	11	<0.20	<0.20	<0.20	14	<0.20	800	160
trans-1,2-Dichloroethene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	100	20
Trichloroethene/ppb	<3.0	<0.30	<0.30	<0.30	<3.0	<0.30	5	0.5
Trichlorofluoromethane/ppb	<6.0	<0.60	<0.60	<0.60	<6.0	<0.60	==	==
Vinyl chloride/ppb	<5.0	<0.50	<0.50	<0.50	<5.0	<0.50	==	==
1-Methyl Naphthalene/ppb	640	<0.27	<0.27	<0.27	<27	NS	==	==
2-Methyl Naphthalene/ppb	1000	<0.29	<0.29	<0.29	<29	NS	==	==
Acenaphthene/ppb	<54	<0.54	1.8	<0.54	<54	NS	==	==
Acenaphthylene/ppb	<23	<0.23	<0.23	<0.23	<23	NS	==	==
Anthracene/ppb	<3.7	<0.037	<0.037	<0.037	<3.7	NS	3000	600
Benzo (a) Anthracene/ppb	200	<0.0073	0.89	0.08	<0.73	NS	==	==
Benzo (a) Pyrene/ppb	17	<0.018	<0.018	0.14	45	NS	0.2	0.02
Benzo (b) Fluoranthene/ppb	35	0.13	1.4	0.12	47	NS	0.2	0.02
Benzo (ghi) Perylene/ppb	<3.5	<0.035	<0.035	<0.035	9.3	NS	==	==
Benzo (k) Fluoranthene/ppb	40	<0.023	0.27	0.07	46	NS	==	==
Chrysene/ppb	92	<0.051	<0.051	0.06	88	NS	0.2	0.02
Dibenzo (a,h) Anthracene/ppb	<21	<0.21	0.34	<0.21	<21	NS	==	==
Fluoranthene/ppb	380	<0.018	4.3	0.35	230	NS	400	80
Fluorene/ppb	<16	<0.16	<0.16	<0.16	<16	NS	400	80
Indeno (1,2,3-cd) Pyrene/ppb	<1.6	<0.016	<0.016	0.05	5.7	NS	==	==
Naphthalene/ppb	200	1.7	<0.23	<0.23	<23	NS	100	10
Phenanthrene/ppb	190	0.50	3.4	<0.096	<9.6	NS	==	==
Pyrene/ppb	<17	0.47	3.4	0.28	190	NS	250	50
Iron/ppm	<0.020	<0.020	<0.020	<0.020	<0.020	NS	0.3	0.15
Nitrate + Nitrite Nitrogen/ppm	0.54	1.65	4.0	6.97	0.68	NS	10	2
Sulfate-Unfiltered/ppm	14.4	26.3	25.4	31.8	14.5	NS	250	125

NS = Not Sampled

A.1 Groundwater Analytical Table
 Franciscan Skemp Healthcare Sparta Campus BRTS# 03-42-107318
 BY Shaw Environmental, Inc.

SAMPLING CONDUCTED ON OCTOBER 22, 2002

Well Name	MW-1	MW-2	MW-3	MW-5	ENFORCEMENT STANDARD (ES) = BOLD	PREVENTIVE ACTION LIMIT (PAL) = ITALICS
Ground Level Elevation in Feet (MSL)	771.71	772.82	773.24	770.82		
PVC Casing Elevation in Feet (MSL)	771.46	772.34	772.24	770.47		
Watertable Elevation in Feet (MSL)	NM	751.92	752.09	752.55		
Depth to Groundwater in Feet	NM	20.42	20.15	17.92		

Well Name	MW-1	MW-2	MW-3	MW-5	ENFORCEMENT STANDARD (ES) = BOLD	PREVENTIVE ACTION LIMIT (PAL) = ITALICS
Diesel Range Organics/ppb	NS	NS	NS	NS	==	==
2-Chlorotoluene/ppb	NA	NA	NA	NA	==	==
4-Chlorotoluene/ppb	NA	NA	NA	NA	==	==
1,2-Dibromoethane(EDB)/ppb	NA	NA	NA	NA	0.05	0.005
1,2-Dibromo-3-Chloropropane/ppb	NA	NA	NA	NA	0.2	0.02
1,2-Dichlorobenzene/ppb	NA	NA	NA	NA	600	60
1,3-Dichlorobenzene/ppb	NA	NA	NA	NA	600	120
1,4-Dichlorobenzene/ppb	NA	NA	NA	NA	75	15
1,1-Dichloroethane/ppb	NA	NA	NA	NA	850	85
1,2-Dichloroethane/ppb	NA	NA	NA	NA	5	0.5
1,2-Dichloropropane/ppb	NA	NA	NA	NA	5	0.5
1,3-Dichloropropane/ppb	NA	NA	NA	NA	0.4	0.04
2,2-Dichloropropane/ppb	NA	NA	NA	NA	==	==
1,1,2,2-Tetrachloroethane/ppb	NA	NA	NA	NA	0.2	0.02
1,2,3-Trichlorobenzene/ppb	NA	NA	NA	NA	==	==
1,2,4-Trichlorobenzene/ppb	NA	NA	NA	NA	70	14
1,2,4-Trimethylbenzene/ppb	NA	NA	NA	NA	==	==
1,3,5-Trimethylbenzene/ppb	NA	NA	NA	NA	==	==
Trimethylbenzene (TMB) /ppb	509	<1.33	<1.33	<1.33	480	96
1,1,1-Trichloroethane/ppb	<6.5	<0.65	<0.65	<0.65	200	40
1,1,2-Trichloroethane/ppb	NA	NA	NA	NA	5	0.5
Benzene/ppb	13	0.73	3.7	<0.25	5	0.5
Bromobenzene/ppb	NA	NA	NA	NA	==	==
Bromochloromethane/ppb	NA	NA	NA	NA	0.6	0.06
Carbon tetrachloride/ppb	NA	NA	NA	NA	5	0.5
Chlorobenzene/ppb	NA	NA	NA	NA	==	==
Chlorodibromomethane/ppb	NA	NA	NA	NA	==	==
Chloroethane/ppb	NA	NA	NA	NA	400	80
Chloroform/ppb	<4.5	0.45	<0.45	<0.45	6	0.6
Chloromethane/ppb	NA	NA	NA	NA	30	3
cis-1,2-Dichloroethene/ppb	NA	NA	NA	NA	==	==
Dichlorodifluoromethane/ppb	NA	NA	NA	NA	1000	200
Diisopropyl ether/ppb	NA	NA	NA	NA	==	==
Ethylbenzene/ppb	64	<0.53	<0.53	<0.53	700	140
Hexachlorobutadiene/ppb	NA	NA	NA	NA	==	==
Isopropylbenzene/ppb	17	<0.66	1.3	<0.66	==	==
Methyl-tert-butyl ether/ppb	<8.7	<0.87	<0.87	<0.84	60	12
Methylene chloride (Dichloromethane)/ppb	<4.7	<0.47	0.53	<0.47	5	0.5
n-Butylbenzene/ppb	38	<0.65	<0.65	<0.65	==	==
n-Propylbenzene/ppb	42	<0.95	<0.95	<0.95	==	==
Naphthalene/ppb	490	<0.63	0.82	<0.63	100	10
m&p-Xylene/ppb	NA	NA	NA	NA	==	==
o-Xylene/ppb	NA	NA	NA	NA	==	==
Xylene (Total) /ppb	260	<1.83	<1.83	<1.83	2000	400
p-Isopropyltoluene/ppb	8.2	<0.58	<0.58	<0.58	==	==
sec-Butylbenzene/ppb	15	<0.62	<0.62	<0.62	==	==
tert-Butylbenzene/ppb	NA	NA	NA	NA	==	==
Tetrachloroethene/ppb	NA	NA	NA	NA	==	==
Toluene/ppb	13	<0.84	<0.84	<0.84	800	160
trans-1,2-Dichloroethene/ppb	NA	NA	NA	NA	100	20
Trichloroethene/ppb	NA	NA	NA	NA	5	0.5
Trichlorofluoromethane/ppb	NA	NA	NA	NA	==	==
Vinyl chloride/ppb	NA	NA	NA	NA	==	==
1-Methyl Naphthalene/ppb	19000	<0.027	0.12	0.047	==	==
2-Methyl Naphthalene/ppb	34000	<0.028	<0.028	0.094	==	==
Acenaphthene/ppb	1200	0.040	0.12	<0.018	==	==
Acenaphthylene/ppb	380	<0.023	0.035	<0.023	==	==
Anthracene/ppb	800	<0.020	0.13	<0.020	3000	600
Benzo (a) Anthracene/ppb	270	0.020	0.38	0.240	==	==
Benzo (a) Pyrene/ppb	<84	0.036	1.1	0.028	0.2	0.02
Benzo (b) Fluoranthene/ppb	<98	0.041	1.3	0.026	0.2	0.02
Benzo (ghi) Perylene/ppb	<110	0.036	1.3	0.022	==	==
Benzo (k) Fluoranthene/ppb	<91	0.033	0.98	0.023	==	==
Chrysene/ppb	490	0.034	1.0	0.027	0.2	0.02
Dibenzo (a,h) Anthracene/ppb	<120	<0.017	0.26	<0.017	==	==
Fluoranthene/ppb	200	0.067	2.5	0.047	400	80
Fluorene/ppb	2300	0.15	0.48	<0.021	400	80
Indeno (1,2,3-cd) Pyrene/ppb	<98	0.031	1.2	0.019	==	==
Naphthalene/ppb	4700	0.069	0.15	0.094	100	10
Phenanthrene/ppb	6600	0.13	1.6	0.026	==	==
Pyrene/ppb	910	0.066	1.7	0.038	250	50

NS = Not Sampled NA = Not Analyzed
 NM = Not Measured

A.1 Groundwater Analytical Tables
Franciscan Skemp Healthcare Sparta Campus BRRTS# 03-42-107318

Well MW-1
PVC Elevation = 771.46 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/30/98	752.88	18.58	20	44	<2.0	350	11	216	176
10/22/02	NM	NM	13	64	<8.7	490	13	509	260
06/06/03	NM	NM	17	53	<1.4	4700*	17	286	210
08/11/04	NM	NM	13	41	<1.4	<1500*	11	235	154
11/08/04	NM	NM	17	54	<0.72	600	11	321	193
2/10/2005	NM	NM	8.2	36	<0.72	2400	6	222	116
5/10/2005	NM	NM	13	43	<3.6	1500	14	275	168
11/2/2005	NM	NM	25	47	<0.36	120	28	144	137
10/6/2010	FREE PRODUCT								
04/27/11	FREE PRODUCT								
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

Well MW-2
PVC Elevation = 772.35 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/30/98	752.51	19.83	<0.30	<0.20	<0.20	<1.1	<0.20	<0.90	<0.80
10/22/02	751.92	20.42	0.73	<0.53	<0.87	<0.63	<0.84	<1.33	<1.83
06/06/03	751.64	20.70	4.8	<0.60	<0.58	0.48	<0.58	<1.18	<1.84
08/11/04	753.06	19.29	2.1	<0.40	<0.36	0.25	<0.36	<0.79	<1.10
11/08/04	752.24	20.11	0.98	<0.40	<0.36	<0.45	<0.36	<0.79	<1.10
2/10/2005	751.81	20.54	0.62	<0.40	<0.36	0.25	<0.36	<0.79	<1.10
5/10/2005	751.77	20.58	3.1	<0.40	<0.36	<4.5	<0.36	<0.79	<1.10
11/2/2005	751.41	20.94	5.1	<0.40	<0.36	0.31	<0.36	<0.79	<1.10
10/6/2010	753.17	19.18	<0.38	<0.55	<0.25	0.0266	<0.72	<1.20	<1.62
04/27/11	753.63	18.72	<0.49	<0.98	<0.47	0.032	<0.89	<2.7	<3.2
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

Well MW-3
PVC Elevation = 772.28 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/30/98	752.69	19.55	1.4	<0.20	<0.20	<1.1	<0.20	<0.90	<0.80
10/22/02	752.09	20.15	3.7	<0.53	<0.87	0.82	<0.84	<1.33	<1.83
06/06/03	751.79	20.45	5.6	1.1	<0.58	0.98	<0.58	<1.18	<1.84
08/11/04	753.32	18.96	1.6	<0.40	<0.36	<0.46	<0.36	<0.79	<1.10
11/08/04	752.47	19.81	1.9	<0.40	<0.36	<0.11	<0.36	<0.79	<1.10
2/10/2005	749.78	22.50	0.61	<0.40	<0.36	0.39	<0.36	<0.79	<1.10
5/10/2005	750.96	21.32	2.7	<0.40	<0.36	1.39	<0.36	<0.79	0.55
11/2/2005	751.63	20.65	7.9	<0.40	<0.36	0.86	<0.36	0.65	0.62
10/6/2010	753.41	18.87	<0.38	<0.55	<0.25	<0.017	<0.72	<1.20	<1.62
04/27/11	753.89	18.39	<0.49	<0.98	<0.47	0.032	<0.89	<2.7	<3.2
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

NS = not sampled, NM = Not Measured

* = Analyte present in method blank

[] = Analyte detected above laboratory method detection limit but below practical quantitation limit.

A.1 Groundwater Analytical Tables
Franciscan Skemp Healthcare Sparta Campus BRRS# 03-42-107318

Well MW-5
PVC Elevation = 770.47 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/30/98	753.23	17.24	<0.30	<0.20	<0.20	<1.1	<0.20	<0.90	<0.80
10/22/02	752.55	17.92	<0.25	<0.53	<0.87	<0.63	<0.84	<1.33	<1.83
06/06/03	752.22	18.25	<0.30	<0.60	<0.58	0.025	<0.58	<1.18	<1.84
08/11/04	753.73	16.74	<0.14	<0.40	<0.36	<0.022	<0.36	<0.79	<1.10
11/08/04	752.90	17.57	<0.39	<0.40	<0.36	0.024	<0.36	<0.79	<1.10
2/10/2005	752.37	18.10	<0.14	<0.40	<0.36	0.037	<0.36	<0.79	<1.10
5/10/2005	752.38	18.09	<0.14	<0.40	<0.36	<0.22	<0.36	<0.79	<1.10
11/2/2005	752.01	18.46	<0.14	<0.40	<0.36	0.019	<0.36	<0.79	<1.10
10/6/2010	753.80	16.67	<0.38	<0.55	<0.25	<0.017	<0.72	<1.20	<1.62
04/27/11	754.28	16.19	NOT SAMPLED						
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = <i>Italics</i>			0.5	140	12	10	160	96	400

Well MW-6
PVC Elevation = 770.64 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
08/11/04	753.58	17.06	<0.14	<0.40	<0.36	<0.023	<0.36	<0.79	<1.10
11/08/04	752.71	17.93	<0.39	<0.40	<0.36	<0.089	<0.36	<0.79	<1.10
2/10/2005	752.25	18.39	<0.14	<0.40	<0.36	<0.022	<0.36	<0.79	<1.10
5/10/2005	752.20	18.44	<0.14	<0.40	<0.36	<0.11	<0.36	<0.79	<1.10
11/2/2005	751.80	18.84	<0.14	<0.40	<0.36	0.016	<0.37	<0.79	<1.10
10/6/2010	753.66	16.98	<0.38	<0.55	<0.25	<0.017	<0.72	<1.20	<1.62
04/27/11	754.17	16.47	<0.49	<0.98	<0.47	0.032	<0.89	<2.7	<3.2
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = <i>Italics</i>			0.5	140	12	10	160	96	400

Well MW-7
PVC Elevation = 773.24 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
08/11/04	753.47	19.77	<0.14	<0.40	<0.36	<0.022	<0.36	<0.79	<1.10
11/08/04	752.66	20.58	<0.39	<0.40	<0.36	<0.022	<0.36	<0.79	<1.10
2/10/2005	752.24	21.00	<0.14	<0.40	<0.36	<0.022	<0.36	<0.79	<1.10
5/10/2005	752.21	21.03	<0.14	<0.40	<0.36	NM	<0.36	<0.79	<1.10
11/2/2005	751.84	21.40	<0.14	<0.40	<0.36	0.20	<0.36	<0.79	<1.10
10/6/2010	753.59	19.65	<0.38	<0.55	<0.25	<0.017	<0.72	<1.20	<1.62
04/27/11	754.02	19.22	NOT SAMPLED						
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = <i>Italics</i>			0.5	140	12	10	160	96	400

NS = not sampled, NM = Not Measured
* = Analyte present in method blank
[] = Analyte detected above laboratory method detection limit but below practical quantitation limit.

A.1 Groundwater Analytical Tables
Franciscan Skemp Healthcare Sparta Campus BRRS# 03-42-107318

Well TMW-1

PVC Elevation = 771.68 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
04/27/11	753.99	17.69	3.3	[3.03]	<0.47	23	[2.34]	40.5	12.1
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

Well TMW-2

PVC Elevation = 771.28 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
04/27/11	#VALUE!	17.30	[0.97]	9	<0.47	33	[1.71]	89.8	16.5
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

GP-4

PVC Elevation = NM (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/06/03	NM	NM	<0.30	<0.60	<0.58	NS	<0.58	<1.18	<1.84
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

GP-5

PVC Elevation = NM (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
06/06/03	NM	NM	7.4	<0.60	<0.58	NS	<0.58	<1.18	<1.84
ENFORCE MENT STANDARD ES = Bold			5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			0.5	140	12	10	160	96	400

NS = not sampled, NM = Not Measured

* = Analyte present in method blank

[] = Analyte detected above laboratory method detection limit but below practical quantitation limit.

A.1 Groundwater Analytical Tables – PAH Data Summary
Franciscan Skemp Healthcare Sparta Campus BRRS# 03-42-107318

Well MW-1

PVC Elevation = 771.46 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
11/30/98	<54	<23	<3.7	200	17	35	<3.5	40	92	<21	380	<16	<1.6	640	1000	200	190	<17
10/22/02	1200	380	800	270	<84	<98	<110	<91	490	<120	200	2300	<98	19000	34000	4700	6600	910
06/06/03	1500	440	810	280	160	<130	<160	<190	600	<160	220	2400	<210	22000	36000	4700	6800	1200
08/11/04	370	110	320	140	57	21	28	<16	200	<18	65	<1400	<14	6800	11000	<1500	2100	370
11/08/04	140	52	68	<39	<36	<36	<41	<39	49	<44	<33	260	<34	2100	3600	600	620	700
2/10/2005	840	<770	<710	<780	<720	<720	<830	<770	<660	<880	<660	1600	<680	11000	19000	2400	3800	<650
5/10/2005	450	150	260	85	53	<43	<50	<46	140	<53	67	800	<41	6000	10000	1500	2200	430
11/2/2005	9.8	2.6	3	<1.6	<1.9	<1.6	<2.0	<2.0	2	<2.0	<1.6	16	<2.0	220	320	120	30	46
10/6/2010	FREE PRODUCT																	
04/27/11	FREE PRODUCT																	
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

Well MW-2

PVC Elevation = 772.35 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
11/30/98	<0.54	<0.23	<0.037	<0.0073	<0.018	0.13	<0.035	<0.023	<0.051	<0.21	<0.018	<0.16	<0.016	<0.27	<0.29	1.7	0.5	0.47
10/22/02	0.040	<0.023	<0.020	0.020	0.036	0.041	0.036	0.033	0.034	<0.017	0.067	0.15	0.031	<0.027	<0.028	0.069	0.13	0.066
06/06/03	<0.36	<0.38	<0.40	0.410	0.55	1.10	0.65	0.87	1.3	<0.32	3.4	0.70	0.57	<0.36	<0.34	<0.48	1.0	1.9
08/11/04	0.11	<0.097	0.092	0.25	0.56	0.89	0.74	0.59	0.71	0.160	1.5	0.55	0.63	0.10	<0.11	0.25	1.1	1.1
11/08/04	<0.39	<0.39	<0.35	1.0	1.5	1.7	1.2	1.7	2.1	<0.44	4.6	<0.44	1.1	<0.42	<0.45	<0.45	3.0	3.2
2/10/2005	0.28	<0.15	<0.14	0.49	0.71	0.82	0.53	0.75	0.88	<0.18	2.3	0.57	0.49	0.23	<0.18	0.25	1.5	1.5
5/10/2005	<3.9	<3.9	<3.9	7.80	17	23	15	20	20	<4.4	44	<4.4	12	<4.0	<4.5	<4.5	30	33
11/2/2005	0.51	0.41	0.790	3.70	9.7	14	9.6	13	13	2.50	22	2.1	8.8	<0.20	<0.22	0.31	12	15
10/6/2010	0.09	0.15	0.28	1.49	4.5	8.3	6	2.51	3.8	1.02	7.5	0.14	4.8	<0.016	<0.017	[0.0266]	2.4	5.5
04/27/11	0.055	0.083	0.144	0.84	2.36	5.2	3.5	1.4	2.43	0.53	4.5	0.082	3.01	[0.013]	<0.013	[0.032]	1.78	3.4
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

Well MW-3

PVC Elevation = 772.28 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
11/30/98	1.8	<0.23	<0.037	0.89	<0.018	1.4	<0.035	0.27	0.34	0.34	4.3	<0.16	<0.016	<0.27	<0.29	<0.23	3.4	3.4
10/22/02	0.12	0.035	0.13	0.38	1.1	1.3	1.3	0.98	1.0	0.26	2.5	0.48	1.2	0.12	<0.028	0.15	1.6	1.7
06/06/03	0.46	<0.095	0.22	0.41	0.91	1.4	0.98	0.99	1.1	0.23	2.5	0.74	0.87	1.4	<0.085	0.98	1.8	1.9
08/11/04	<0.40	<0.39	<0.36	1.2	1.6	2	1.7	1.9	2.2	0.48	4.7	<0.44	1.4	<0.41	<0.46	<0.46	2.2	3.5
11/08/04	<0.097	<0.097	<0.088	0.41	0.56	0.58	0.42	0.56	0.67	0.12	1.5	0.16	0.39	<0.10	<0.11	<0.11	0.89	1.0
2/10/2005	0.25	<0.077	0.12	0.36	0.63	0.82	0.54	0.54	0.61	0.15	1.3	0.44	0.5	0.51	0.16	0.39	0.92	1.1
5/10/2005	0.51	<0.097	0.15	0.25	0.41	0.54	0.42	0.44	0.46	0.12	0.85	0.58	0.37	1.7	<0.11	1.3	0.99	0.8
11/2/2005	0.53	<0.081	0.40	<0.16	<0.18	0.76	<0.19	<0.19	<0.19	<0.19	0.28	1.7	<0.19	1.1	0.19	0.86	2.9	0.31
10/6/2010	[0.018]	<0.016	[0.0256]	0.1	0.24	0.47	0.32	0.16	0.22	[0.049]	0.46	[0.038]	0.25	<0.016	<0.017	<0.017	0.17	0.34
04/27/11	<0.01	<0.014	[0.021]	0.127	0.281	0.61	0.41	0.20	0.308	[0.048]	0.57	[0.009]	0.35	<0.009	<0.013	[0.02]	0.205	0.43
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

NS = not sampled, NM = Not Measured

* = Analyte present in method blank

[] = Analyte detected above laboratory method detection limit but below practical quantitation limit.

A.1 Groundwater Analytical Tables – PAH Data Summary
Franciscan Skemp Healthcare Sparta Campus BRRTS# 03-42-107318

Well MW-5
PVC Elevation = 770.47 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
11/30/98	<0.54	<0.23	<0.037	0.077	0.14	0.12	<0.035	0.065	0.064	<0.21	0.35	<0.16	0.049	<0.27	<0.29	<0.23	<0.096	0.280
10/22/02	<0.018	<0.023	<0.020	0.024	0.028	0.026	0.022	0.023	0.027	<0.017	0.047	<0.021	0.019	0.047	0.081	0.094	0.026	0.038
06/06/03	<0.018	<0.019	<0.020	0.016	0.021	0.025	0.019	0.024	0.025	<0.016	0.039	<0.017	<0.021	0.026	0.050	0.025	0.019	0.034
08/11/04	<0.019	<0.019	<0.018	<0.020	<0.018	<0.021	<0.021	<0.019	<0.016	<0.022	<0.016	<0.022	<0.017	<0.020	<0.023	<0.022	<0.020	<0.016
11/08/04	<0.019	<0.019	<0.018	0.027	0.028	0.025	<0.021	0.024	0.030	<0.022	0.060	<0.022	<0.017	0.034	0.039	0.024	0.022	0.044
2/10/2005	<0.019	<0.019	<0.018	<0.020	<0.018	0.018	<0.021	<0.019	0.018	<0.022	0.041	<0.022	<0.017	0.080	0.150	0.037	0.025	0.028
5/10/2005	<0.019	<0.019	<0.018	0.044	0.064	0.085	0.057	0.073	0.071	<0.022	0.130	<0.022	0.051	<0.020	<0.023	<0.022	0.066	0.100
11/2/2005	<0.0082	<0.0081	<0.012	<0.016	<0.018	0.017	<0.019	0.019	<0.019	<0.019	0.020	<0.0091	<0.019	<0.010	0.015	<0.011	<0.011	0.017
10/6/2010	<0.017	<0.016	<0.018	<0.017	<0.016	<0.017	<0.017	<0.029	<0.017	<0.016	<0.019	<0.018	<0.016	<0.016	<0.017	<0.017	<0.019	<0.02
04/27/11	NOT SAMPLED																	
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

Well MW-6
PVC Elevation = 770.64 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
08/11/04	<0.20	<0.020	<0.018	0.044	0.048	0.053	0.068	0.044	0.062	<0.022	0.015	<0.022	0.033	<0.020	<0.023	<0.023	0.059	0.130
11/08/04	<0.78	<0.077	<0.071	0.24	0.29	0.30	0.33	0.28	0.38	<0.088	1.0	<0.087	0.20	<0.080	0.12	<0.089	0.610	0.640
2/10/2005	<0.019	<0.019	<0.018	0.038	0.047	0.056	0.074	0.045	0.055	<0.022	0.150	<0.022	0.035	<0.020	<0.023	<0.022	0.098	0.110
5/10/2005	<0.097	<0.097	<0.088	0.31	0.50	0.67	0.57	0.620	0.70	0.12	1.5	<0.11	0.39	<0.10	<0.11	<0.11	0.810	1.0
11/2/2005	<0.0082	<0.0081	<0.012	0.039	0.075	0.099	0.12	0.081	0.087	<0.019	0.170	<0.0091	0.066	<0.010	0.016	0.016	0.085	0.130
10/6/2010	<0.017	<0.016	<0.018	0.05	0.09	0.16	0.12	0.06	0.08	[0.0171]	0.18	<0.018	0.08	<0.016	<0.017	<0.017	0.06	0.13
04/27/11	<0.01	<0.014	[0.014]	0.094	0.153	0.291	0.204	0.102	0.167	[0.023]	0.34	[0.009]	0.158	[0.027]	<0.013	0.062	0.149	0.258
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

Well MW-7
PVC Elevation = 773.24 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
08/11/04	<0.019	<0.019	<0.018	<0.020	0.021	0.023	0.052	<0.019	0.021	<0.022	0.039	<0.022	<0.017	<0.020	<0.023	<0.022	0.025	0.044
11/08/04	<0.019	<0.019	<0.018	0.060	0.065	0.059	0.097	0.049	0.072	<0.022	0.15	<0.022	0.039	<0.020	<0.023	<0.022	0.083	0.13
2/10/2005	<0.019	<0.019	<0.018	<0.060	<0.018	<0.018	<0.021	<0.019	<0.016	<0.022	0.018	<0.022	<0.017	<0.020	<0.023	<0.022	<0.020	0.018
5/10/2005	DESTROYED IN-TRANSIT TO LABORATORY																	
11/2/2005	0.0098	<0.0081	<0.012	0.022	0.026	0.028	0.035	0.023	0.029	<0.019	0.054	<0.0091	<0.019	0.32	0.54	0.26	0.036	0.048
10/6/2010	<0.017	<0.016	<0.018	<0.017	<0.016	<0.017	[0.0199]	<0.029	<0.017	<0.016	<0.019	<0.018	<0.016	<0.016	<0.017	<0.017	<0.019	<0.02
04/27/11	NOT SAMPLED																	
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

NS = not sampled, NM = Not Measured
* = Analyte present in method blank
[] = Analyte detected above laboratory method detection limit but below practical quantitation limit.

A.1 Groundwater Analytical Tables – PAH Data Summary
Franciscan Skemp Healthcare Sparta Campus BRRS# 03-42-107318

Well TMW-1

PVC Elevation = 771.68 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
04/27/11	8.9	2.77	4.2	2.39	[0.970]	<0.65	<0.75	<0.75	3.3	<0.8	1.49	[12.5]	<0.75	57	156	23	30.6	7.3
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

Well TMW-2

PVC Elevation = 771.28 (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
04/27/11	13.4	4.4	6.8	2.66	[1.08]	<0.65	<0.75	<0.75	3.6	<0.8	1.72	[22.3]	<0.75	162	296	33	51	7.9
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

GP-4

PVC Elevation = NM (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
06/06/03	0.14	<0.019	0.19	0.28	0.20	0.230	0.140	0.180	0.3	0.042	1.80	0.2	0.110	0.45	0.068	0.092	2.0	1.3
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

GP-5

PVC Elevation = NM (feet) (MSL)

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
06/06/03	1.1	<0.38	0.84	0.8	0.76	0.660	0.490	0.740	1.0	<0.32	2.2	2.4	0.42	0.53	<0.34	0.58	5.8	1.9
ENFORCEMENT STANDARD = ES Bold			3000	==	0.2	0.2	==	==	0.2	==	400	400	==	==	==	100	==	250
PREVENTIVE ACTION LIMIT = PAL <i>Italics</i>			600	==	0.02	0.020	==	==	0.02	==	80	80	==	==	==	10	==	50

NS = not sampled, NM = Not Measured

* = Analyte present in method blank

[] = Analyte detected above laboratory method detection limit but below practical quantitation limit.

A.2 Pre-remedial Soil Analytical Tables
Franciscan Skemp Healthcare Sparta Campus BRRS# 03-42-107318

Boring & Sample Date	S-1 06/05/96	S-2 06/05/96	G-1 09/03/96	MW-1-1 11/17/98	MW-1-2 11/17/98	MW-1-3 11/17/98	MW-1-4 11/17/98	MW-2-1 11/17/98	MW-2-2 11/17/98	MW-2-3 11/17/98	MW-3-1 11/17/98	MW-3-2 11/17/98	MW-3-3 11/17/98	B-4-1 11/17/98	B-4-2 11/17/98	NR 720 Exceedance	NR 746 Table 1 Exceedance
Depth (Feet)	9	9	17-19	6-8	12-14	18-20	25-27	6-8	12-14	20-22	6-8	12-14	19-21	6-8	12-14		
PID				0	0	40	0	0	0	0	0	0	0	0	0		
Diesel Range Organics/ppm	15	<1.4	850	<1.4	<1.4	44,000	<1.4	<1.4	==	<1.4	<1.4	==	<1.4	<1.4	==	100	==
Total Percent Solids/%	==	==	==	97	96	78	85	96	==	87	98	==	88	93	==	==	==
1,2,4-Trimethylbenzene/ppm	==	==	==	<25	<25	150,000		<25	==	<25	<25	==	<25	<25	==	==	83,000
1,3,5-Trimethylbenzene/ppm	==	==	==	<25	<25	58,000	<25	<25	==	<25	<25	==	<25	<25	==	==	11,000
Benzene/ppm	==	==	==	<25	<25	<6200	<25	<25	==	<25	<25	==	<25	<25	==	5.5	8,500
Ethylbenzene/ppm	==	==	==	<25	<25	30,000	<25	<25	==	<25	<25	==	<25	<25	==	2,900	4,600
Methyl-tert-butyl ether/ppm	==	==	==	<25	<25	<6200	<25	<25	==	<25	<25	==	<25	<25	==	==	==
m&p-Xylene/ppm	==	==	==	<25	<25	45,000	<25	<25	==	<25	<25	==	<25	<25	==	==	==
o-Xylene/ppm	==	==	==	<25	<25	15,000	<25	<25	==	<25	<25	==	<25	<25	==	==	==
Xylene (Total)/ppm	==	==	==	<50	<50	60,000	<50	<50	==	<50	<50	==	<50	<50	==	4,100	42,000
Toluene/ppm	==	==	==	<25	<25	<6200	<25	<25	==	<25	<25	==	<25	<25	==	1,500	38,000

																RR 519 Table 1 Groundwater Protection	NR 746 Table 1 Exceedance
1-Methyl Naphthalene/ppm	==	==	==	==	==	<940	==	==	==	==	==	==	==	==	==	23,000	==
2-Methyl Naphthalene/ppm	==	==	==	==	==	640	==	==	==	==	==	==	==	==	==	20,000	==
Acenaphthene/ppm	==	==	==	==	==	<960	==	==	==	==	==	==	==	==	==	38,000	==
Acenaphthylene/ppm	==	==	==	==	==	<1000	==	==	==	==	==	==	==	==	==	700	==
Anthracene/ppm	==	==	==	==	==	<460	==	==	==	==	==	==	==	==	==	3,000,000	==
Benzo (a) Anthracene/ppm	==	==	==	==	==	<40	==	==	==	==	==	==	==	==	==	17,000	==
Benzo (a) Pyrene/ppm	==	==	==	==	==	1,800	==	==	==	==	==	==	==	==	==	48,000	==
Benzo (b) Fluoranthene/ppm	==	==	==	==	==	2,200	==	==	==	==	==	==	==	==	==	360,000	==
Benzo (ghi) Perylene/ppm	==	==	==	==	==	540	==	==	==	==	==	==	==	==	==	680,000	==
Benzo (k) Fluoranthene/ppm	==	==	==	==	==	2,000	==	==	==	==	==	==	==	==	==	870,000	==
Chrysene/ppm	==	==	==	==	==	10,000	==	==	==	==	==	==	==	==	==	37,000	==
Dibenzo (a,h) Anthracene/ppm	==	==	==	==	==	<4600	==	==	==	==	==	==	==	==	==	38,000	==
Fluoranthene/ppm	==	==	==	==	==	18,000	==	==	==	==	==	==	==	==	==	500,000	==
Fluorene/ppm	==	==	==	==	==	2,400	==	==	==	==	==	==	==	==	==	100,000	==
Indeno (1,2,3-cd) Pyrene/ppm	==	==	==	==	==	550	==	==	==	==	==	==	==	==	==	680,000	==
Naphthalene/ppm	==	==	==	==	==	<6200	==	==	==	==	==	==	==	==	==	400	2700
Phenanthrene/ppm	==	==	==	==	==	3,200	==	==	==	==	==	==	==	==	==	1,800	==
Pyrene/ppm	==	==	==	==	==	56,000	==	==	==	==	==	==	==	==	==	870,000	==

Boring & Sample Date	B-4-3 11/17/98	MW-5-1 11/17/98	MW-5-2 11/17/98	MW-5-3 11/17/98	B-6-1 11/17/98	B-6-2 11/17/98	GP-1 06/06/03	GP-2 06/06/03	GP-3 06/06/03	GP-4 06/06/03	GP-5 06/06/03	GP-6 04/29/04	MW-6 04/29/04	MW-7 04/29/04	NR 720 Exceedance	NR 746 Table 1 Exceedance
Depth (Feet)	19-21	6-8	12-14	18-20	14-16	18-20	17.5-20	17.5-20	17.5-20	17.5-20	17.5-20	17.5-20	17.5-20	17.5-20		
PID	0	0	0	0	25	40	0	46	6	0	0	3	3	3		
Diesel Range Organics/ppm	<1.4	<1.4	==	<1.4	8,300	41,000	==	==	==	==	==	==	==	==	100	==
Total Percent Solids/%	88.0	96.6	==	86.3	96.8	92.4	==	==	==	==	==	==	==	==	==	==
1,2,4-Trimethylbenzene/ppm	<25	<25	==	<25	<120	54,000	2,500	57,000	28,000	<25	120	<25	<25	<25	==	83,000
1,3,5-Trimethylbenzene/ppm	<25	<25	==	<25	<120	27,000	2,200	18,000	9,900	<25	35	<25	<25	<25	==	11,000
Benzene/ppm	<25	<25	==	<25	<120	<2,500	<62	<200	<200	<25	<25	<25	<25	<25	5.5	8,500
Ethylbenzene/ppm	<25	<25	==	<25	<120	11,000	350	3,400	2,000	<25	<25	<25	<25	<25	2,900	4,600
Methyl-tert-butyl ether/ppm	<25	<25	==	<25	<120	<2,500	<62	<310	<200	<25	<25	<25	<25	<25	==	==
m&p-Xylene/ppm	<25	<25	==	<25	<120	14,000	==	==	==	==	==	==	==	==	==	==
o-Xylene/ppm	<25	<25	==	<25	<120	8,300	==	==	==	==	==	==	==	==	==	==
Xylene (Total)/ppm	<50	<50	==	<50	<240	22,300	1,240	19,500	2,000	<75	127	<75	<75	<75	4,100	42,000
Toluene/ppm	<25	<25	==	<25	<120	<2,500	<62	520	<200	<25	54	<25	<25	<25	1,500	38,000

																RR 519 Table 1 Groundwater Protection	NR 746 Table 1 Exceedance
1-Methyl Naphthalene/ppm	==	==	==	==	<470	==	2,400	290,000	57,000	<7.5	<8.4	<2.6	<2.5	4	23,000	==	
2-Methyl Naphthalene/ppm	==	==	==	==	<310	==	1,700	490,000	97,000	<8.0	<9.0	<3.7	<3.6	8	20,000	==	
Acenaphthene/ppm	==	==	==	==	<480	==	6,900	27,000	7,000	<12	<13	<1.8	<1.8	<1.6	38,000	==	
Acenaphthylene/ppm	==	==	==	==	<510	==	<790	<15,000	<2,300	<19	<22	<6.3	<6.2	<5.8	700	==	
Anthracene/ppm	==	==	==	==	<230	==	5,900	13,000	4,000	<12	<13	<2.4	<2.4	<2.2	3,000,000	==	
Benzo (a) Anthracene/ppm	==	==	==	==	1,600	==	3,700	<5,100	2,000	<6.4	<7.2	<14	<14	<13	17,000	==	
Benzo (a) Pyrene/ppm	==	==	==	==	470	==	2,800	<5,100	1,000	<6.4	<7.2	<11	<11	<10	48,000	==	
Benzo (b) Fluoranthene/ppm	==	==	==	==	320	==	1,200	<5,500	<83	<6.9	<7.8	<9.3	<9.1	<8.5	360,000	==	
Benzo (ghi) Perylene/ppm	==	==	==	==	<41	==	1,300	<10,000	<1,500	<13	<14	<6.3	<6.2	<5.7	680,000	==	
Benzo (k) Fluoranthene/ppm	==	==	==	==	440	==	<400	<7,600	<1,100	<11	<13	<11	<11	<11	870,000	==	
Chrysene/ppm	==	==	==	==	<92	==	8,700	10,000	5,000	<7.4	<8.3	<13	<13	<12	37,000	==	
Dibenzo (a,h) Anthracene/ppm	==	==	==	==	<2,300	==	2,540	<6,300	<940	<7.9	<8.9	<3.8	<3.7	<3.4	38,000	==	
Fluoranthene/ppm	==	==	==	==	6,000	==	4,600	<6,800	2,000	<8.5	<9.6	<11	<11	<9.8	500,000	==	
Fluorene/ppm	==	==	==	==	<86	==	4,500	38,000	10,000	<6.4	<7.2	<1.5	<1.5	<1.4	100,000	==	
Indeno (1,2,3-cd) Pyrene/ppm	==	==	==	==	110	==	<480	<9,300	<1,400	<12	<13	<6.0	<5.9	<5.5	680,000	==	
Naphthalene/ppm	==	==	==	==	<310	==	800	66,000	8,000	<8.0	<9.0	<2.8	<2.7	<2.5	400	2700	
Phenanthrene/ppm	==	==	==	==	<35	==	1,900	110,000	27,000	<8.5	<9.6	<6.4	<6.2	<5.8	1,800	==	
Pyrene/ppm	==	==	==	==	3,400	==	19,000	21,000	86,000	<14	<16	<14	<14	<13	870,000	==	

Bold = NR720 Exceedance
Bold = RR 519 Exceedance
Bold/Underline = NR746 Exceedance
"=" Not Sampled

A.3 Post-remedial Soil Analytical Table

No remedial actives occurred at this site other than free product removal. No soil samples have been collected since free product removal.

**A.4 Pre and Post Remaining Soil Contamination Soil Analytical Tables
Franciscan Skemp Healthcare Sparta Campus BRRTS# 03-42-107318**

Boring & Sample Date	G-1 09/03/96	MW-1-3 11/17/98	B-6-1 11/17/98	B-6-2 11/17/98	GP-1 06/06/03	GP-2 06/06/03	GP-3 06/06/03	NR 720 Exceedance	NR 746 Table 1 Exceedance
Depth (Feet)	17-19	18-20	14-16	18-20	17.5-20	17.5-20	17.5-20		
PID		40	25	40	0	46	6		
Diesel Range Organics/ppm	850	44,000	8,300	41,000	==	==	==	100	==
Total Percent Solids/%	==	78	96.8	92.4	==	==	==	==	==
1,2,4-Trimethylbenzene/ppm	==	<u>150,000</u>	<120	54,000	2,500	57,000	28,000	==	83,000
1,3,5-Trimethylbenzene/ppm	==	<u>58,000</u>	<120	<u>27,000</u>	2,200	<u>18,000</u>	9,900	==	11,000
Benzene/ppm	==	<u><6200</u>	<120	<2,500	<62	<310	<200	5.5	8,500
Ethylbenzene/ppm	==	<u>30,000</u>	<120	<u>11,000</u>	350	3,400	2,000	2,900	4,600
Methyl-tert-butyl ether/ppm	==	<6200	<120	<2,500	<62	<310	<200	==	==
m&p-Xylene/ppm	==	45,000	<120	14,000	==	==	==	==	==
o-Xylene/ppm	==	15,000	<120	8,300	==	==	==	==	==
Xylene (Total)/ppm	==	<u>60,000</u>	<240	22,300	1,240	19,500	2,000	4,100	42,000
Toluene/ppm	==	<6200	<120	<2,500	<62	520	<200	1,500	38,000
								RR 519 Table 1 Groundwater Protection	NR 746 Table 1 Exceedance
1-Methyl Naphthalene/ppm	==	<940	<470	==	2,400	290,000	57,000	23,000	==
2-Methyl Naphthalene/ppm	==	640	<310	==	1,700	490,000	97,000	20,000	==
Acenaphthene/ppm	==	<960	<480	==	6,900	27,000	7,000	38,000	==
Acenaphthylene/ppm	==	<1000	<510	==	<790	<15,000	<2,300	700	==
Anthracene/ppm	==	<460	<230	==	5,900	13,000	4,000	3,000,000	==
Benzo (a) Anthracene/ppm	==	<40	1,600	==	3,700	<5,100	2,000	17,000	==
Benzo (a) Pyrene/ppm	==	1,800	470	==	2,800	<5,100	1,000	48,000	==
Benzo (b) Fluoranthene/ppm	==	2,200	320	==	1,200	<5,500	<83	360,000	==
Benzo (ghi) Perylene/ppm	==	540	<41	==	1,300	<10,000	<1,500	680,000	==
Benzo (k) Fluoranthene/ppm	==	2,000	440	==	<400	<7,600	<1,100	870,000	==
Chrysene/ppm	==	10,000	<92	==	8,700	10,000	5,000	37,000	==
Dibenzo (a,h) Anthracene/ppm	==	<4600	<2,300	==	2,540	<6,300	<940	38,000	==
Fluoranthene/ppm	==	18,000	6,000	==	4,600	<6,800	2,000	500,000	==
Fluorene/ppm	==	2,400	<86	==	4,500	38,000	10,000	100,000	==
Indeno (1,2,3-cd) Pyrene/ppm	==	550	110	==	<480	<9,300	<1,400	680,000	==
Naphthalene/ppm	==	<6200	<310	==	800	66,000	8,000	400	2700
Phenanthrene/ppm	==	3,200	<35	==	1,900	110,000	27,000	1,800	==
Pyrene/ppm	==	56,000	3,400	==	19,000	21,000	86,000	870,000	==

Bold = NR720 Exceedance
Bold = RR 519 Exceedance

Bold/Underline = NR746 Exceedance
"=" Not Sampled

A.5 Vapor Analytical Table

No indoor/sub-slab vapor samples were collected.

Concerning the potential for vapor intrusion: 1) Free product (10 inches) is present in MW-1, which is located approximately 7 feet west of the building the building in the area of the removed heating (fuel) oil UST, however fuel oil is less likely to volatilize. 2) There does not appear to be any significant PVOC contamination within 5 feet of ground surface. 3) Benzene concentrations in groundwater are significantly lower than 1,000 ppb.

A.6 Other Media of Concern

Due to the distance no surface water and/or sediment samples were collected.

The nearest surface water is the La Crosse River, which exists approximately 2,000 feet to the south of the Franciscan Skemp Health Care-Sparta Campus.

A.7 Water Level Elevations

Franciscan Skemp Healthcare Sparta Campus BRRTS# 03-42-107318

	MW-1	MW-2	MW-3	MW-5	MW-6	MW-7	TMW-1	TMW-2
<i>pvc top (ft)</i>	771.46	772.35	772.28	770.47	770.64	773.24	771.68	771.28
<i>Top of screen</i>	756.06	758.78	756.86	755.47	755.39	759.30	NM	NM
<i>Bottom of Screen</i>	746.06	748.78	746.86	745.47	745.39	749.30	NM	NM

<i>Date</i>								
11/30/98	752.88	752.51	752.69	753.23	NI	NI	NI	NI
09/17/02	749.38	751.99	752.19	752.65	NI	NI	NI	NI
10/22/02	FP	751.92	752.09	752.55	NI	NI	NI	NI
06/06/03	NM	751.64	751.79	752.22	NI	NI	NI	NI
07/29/04	NM	753.21	753.43	753.89	NI	NI	NI	NI
08/11/04	FP	753.06	753.32	753.73	753.58	753.47	NI	NI
11/08/04	FP	752.24	752.47	752.90	752.71	752.66	NI	NI
2/10/2005	FP	751.81	749.78	752.37	752.25	752.24	NI	NI
5/10/2005	FP	751.77	750.96	752.38	752.20	752.21	NI	NI
11/2/2005	FP	751.41	751.63	752.01	751.80	751.84	NI	NI
10/6/2010	FP	753.17	753.41	753.80	753.66	753.59	NI	NI
4/27/2011	FP	753.63	753.89	754.28	754.17	754.02	753.99	753.98

Note: Elevations are presented in feet mean sea level (msl).

CNL = Could Not Locate

NI = Not Installed

NM = Not Measured

FP = Free Product

A.8 Other – Natural Attenuation Analytical Results
Franciscan Skemp Healthcare Sparta Campus BRRS# 03-42-107318

Well MW-1

Date	Dissolved Oxygen (ppm)	Dissolved Iron (ppm)	Dissolved Manganese (ppm)	Nitrate + Nitrite (ppm)	Sulfate (ppm)
11/30/98	0.48	<0.020	NS	0.54	14.4
10/22/02	NS*	12	0.5	NS*	NS*
05/12/05	NS*	9	0.15	<0.061	NS*

Well MW-2

Date	Dissolved Oxygen (ppm)	Dissolved Iron (ppm)	Dissolved Manganese (ppm)	Nitrate + Nitrite (ppm)	Sulfate (ppm)
11/30/98	4.97	<0.020	NS	1.65	26.3
10/22/02	NS	<0.061	0.19	6.7	25
05/10/05	0.73	<0.017	0.66	1.9	26

Well MW-3

Date	Dissolved Oxygen (ppm)	Dissolved Iron (ppm)	Dissolved Manganese (ppm)	Nitrate + Nitrite (ppm)	Sulfate (ppm)
11/30/98	3.09	<0.020	NS	4	25.4
10/22/02	NS	<0.061	0.34	14	27
05/10/05	3.54	<0.017	0.71	11	30

Well MW-5

Date	Dissolved Oxygen (ppm)	Dissolved Iron (ppm)	Dissolved Manganese (ppm)	Nitrate + Nitrite (ppm)	Sulfate (ppm)
11/30/98	6.89	<0.020	NS	6.97	31.8
10/22/02	NS	<0.061	0.0034	16	34
05/10/05	9.23	<0.017	0.0036	8.7	23

Well MW-6

Date	Dissolved Oxygen (ppm)	Dissolved Iron (ppm)	Dissolved Manganese (ppm)	Nitrate + Nitrite (ppm)	Sulfate (ppm)
05/10/05	9.8	<0.017	0.0056	6.6	52

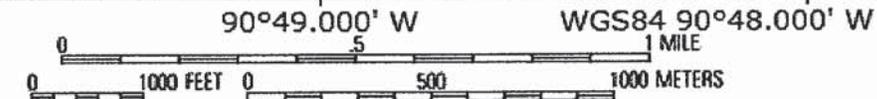
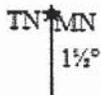
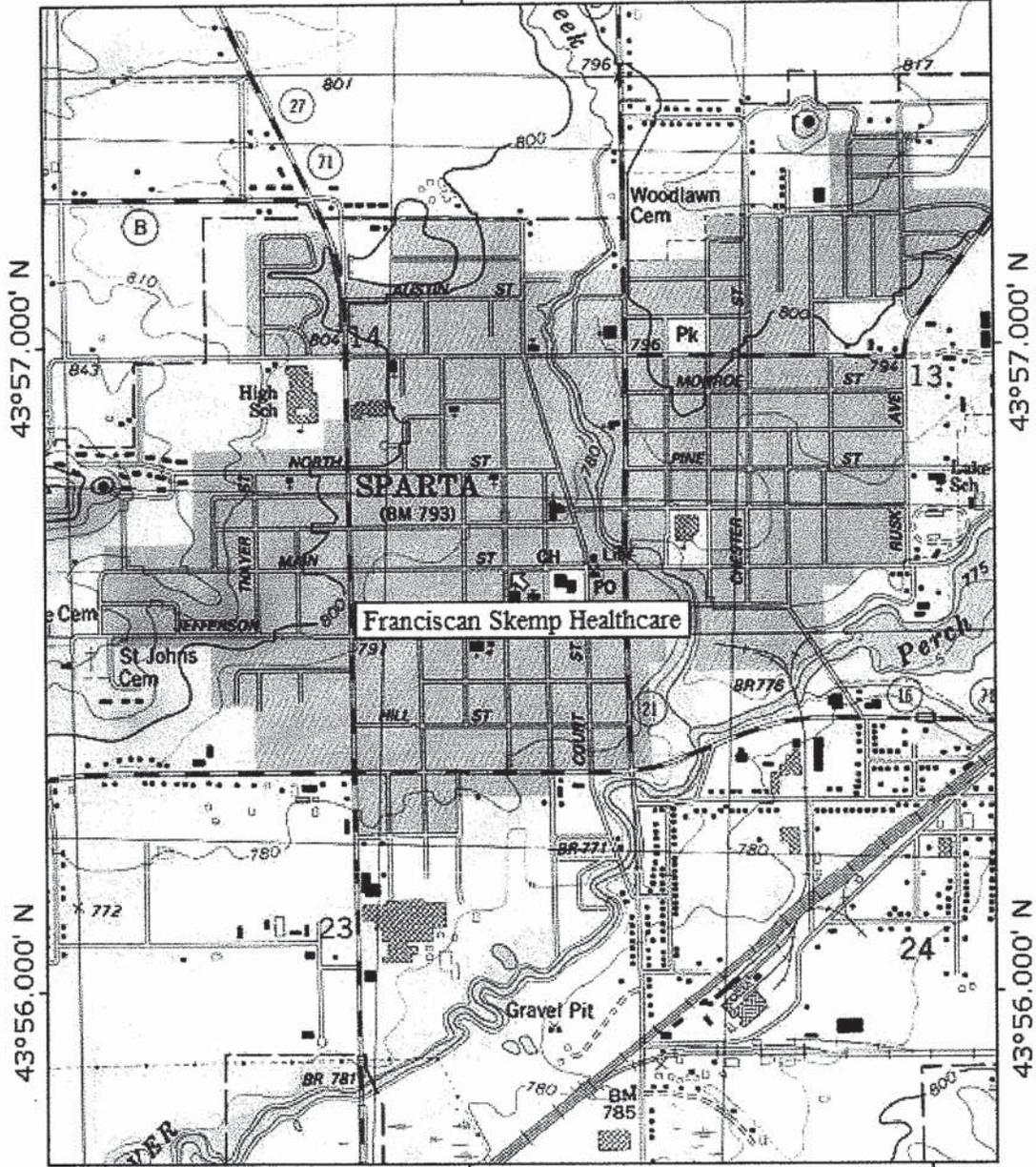
Well MW-7

Date	Dissolved Oxygen (ppm)	Dissolved Iron (ppm)	Dissolved Manganese (ppm)	Nitrate + Nitrite (ppm)	Sulfate (ppm)
05/10/05	3.7	0.019	0.0037	10	50

Attachment B/Maps and Figures

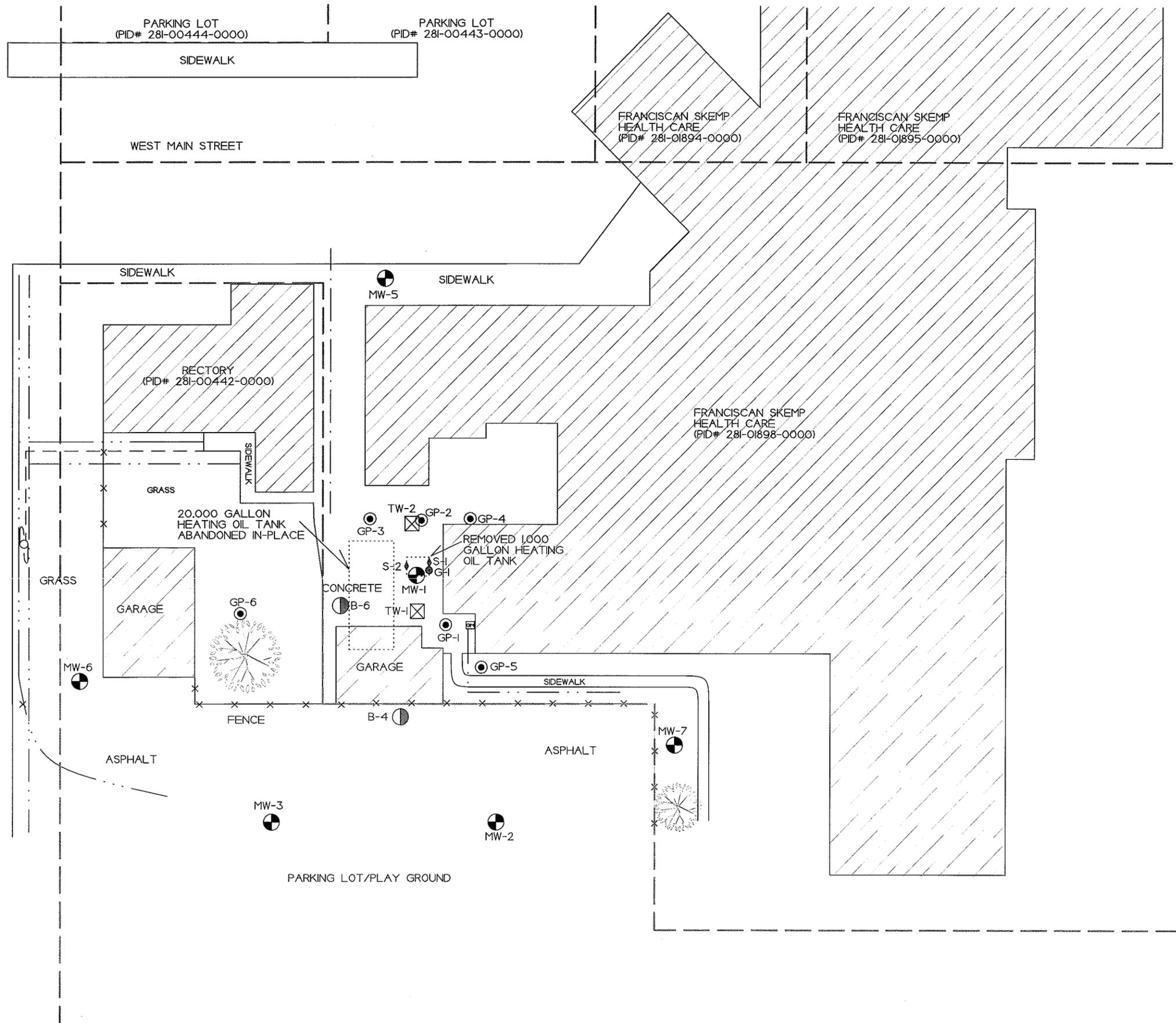
B.1.a Location Map

TOPO! map printed on 01/22/13 from "wisconsin.tpo" and "Untitled.tpg"
90°49.000' W WGS84 90°48.000' W



Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)

SITE LOCATION MAP – CONTOUR INTERVAL 20 FEET
FRANCISCAN SKEMP HEALTHCARE – SPARTA, WI
SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM



<h1>B.I.b DETAILED SITE MAP</h1> <h2>FRANCISCAN SKEMP HEALTH CARE</h2>		
<p>709 Gillette St., Ste 3 La Grasse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 <i>Excellence through experience™</i></p>	<p>SPARTA, WISCONSIN</p> <p>DRAWN BY: JR/RA DATE: 1/13/98 MODIFIED BY: MM DATE: 01/18/13</p>	

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



- ☒ - TEMPORARY WELL LOCATION
- ⊕ - MONITORING WELL LOCATION
- - SOIL BORING LOCATION
- - SOIL SAMPLE OR GEOPROBE LOCATION
- ⊙ - GEOPROBE LOCATION (SHAW ENVIRONMENTAL)
- ⌒ - UTILITY POLE

- NATURAL GAS _____
- SEWER _____
- WATER _____
- BURIED TELEPHONE CABLE _____
- UNDERGROUND ELECTRIC _____
- APPROXIMATE PROPERTY BOUNDRIES _____

B.1.c RR Site Map



- ### Legend
- Open Sites (ongoing cleanups)
 - Open Sites (ongoing cleanups) - site boundaries shown
 - Closed Sites (completed cleanups)
 - Closed Sites (completed cleanups) - site boundaries shown
 - County Boundary
 - Railroads
 - County Roads (WDOT)
 - State and U.S. Highways (WDOT)
 - State Trunk Highway
 - US Highway
 - Interstate Highways (WDOT)
 - Interstate Highway
 - Local Roads (WDOT)
 - Civil Towns
 - Civil Town
 - 24K Open Water
 - 24K Rivers and Shorelines
 - Municipalities

0 425 850 1275 ft.

Map created on Jan 21, 2013

Note: Not all RR Sites have been geo-located yet.



Scale: 1:4,390

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

B.2.a. Pre-remedial Soil Contamination

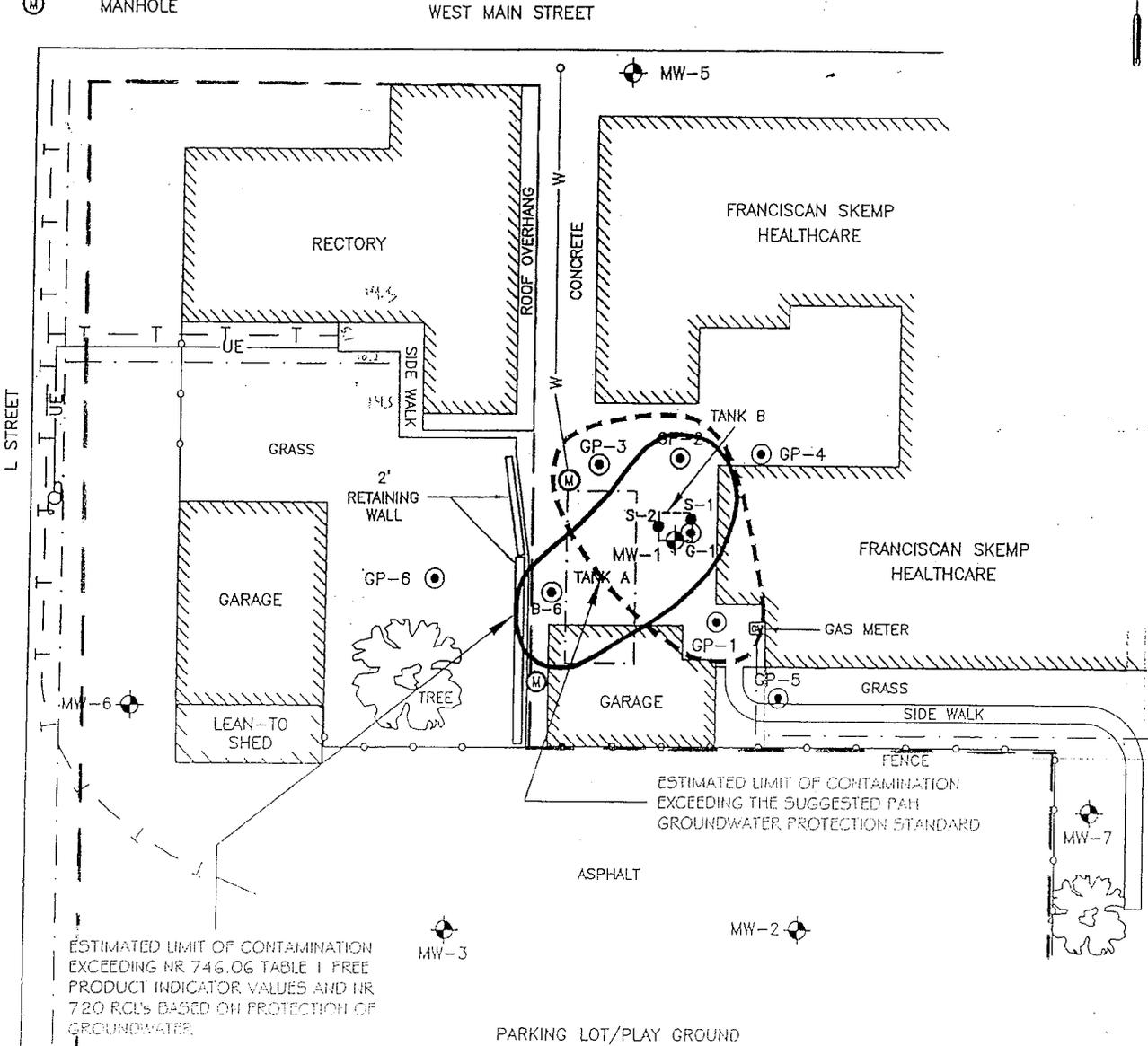
LEGEND

- MONITORING WELL
- GEOPROBE/SOIL BORING LOCATION
- UNDERGROUND STORAGE TANK
- UTILITY POLE
- UNDERGROUND ELECTRIC
- BURIED TELEPHONE CABLE
- BURIED GAS LINE
- UNDERGROUND WATER
- MANHOLE

TANK LEGEND

- A 20,000-GALLON HEATING OIL TANK (ABANDONED IN-PLACE)
- B 1,000-GALLON HEATING OIL TANK (REMOVED)

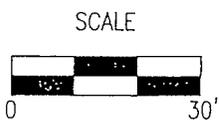
--- Property Boundaries



ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
12/14/05	ARW
DRAWN BY:	020266-2500d
DRAWING NO.	

Shaw Shaw Environmental, Inc.

831 Gritter Court
Oshkosh, Wisconsin 54650



SOIL CONTAMINANT DISTRIBUTION

FRANCISCAN SKEMP HEALTHCARE SITE

SPARTA, WISCONSIN

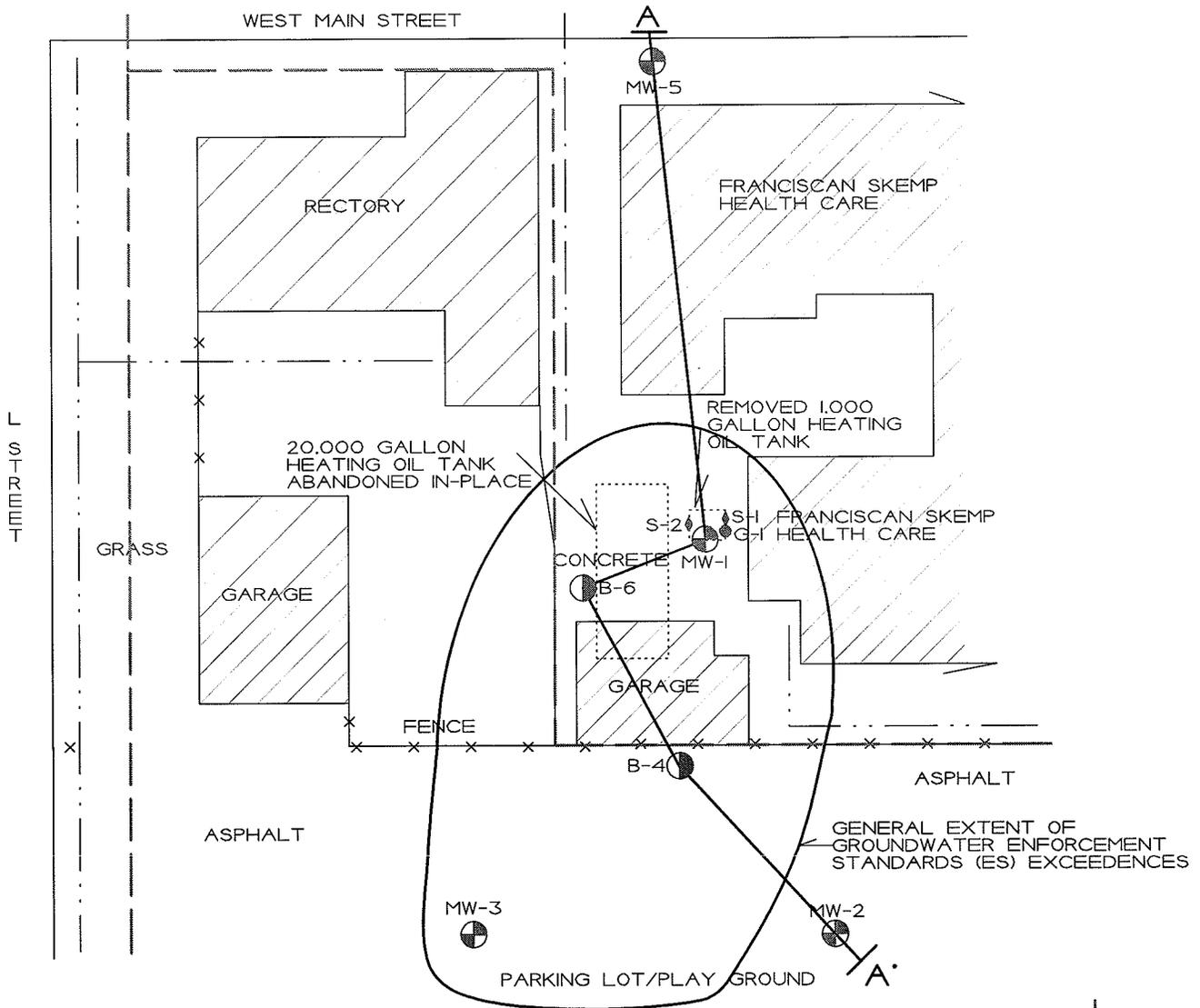
FIGURE NO.

2

Modified by METCO, MM, 01/23/13

B.2.b. Post-remedial Soil Contamination

No remedial activities occurred at this site other than free product removal. No soil samples have been collected since free product removal.

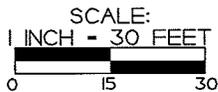


<h3>B.3.a GEOLOGIC CROSS-SECTION</h3> <h3>FRANCISCAN SKEMP HEALTH CARE</h3>		
<p>709 Gillette St., Ste 3 La Crosse, WI 54603 Tel: (608) 781-9879 Fax: (608) 781-8893 <small>Existence through experience</small></p>	<p>SPARTA, WISCONSIN</p> <p>DRAWN BY: JF DATE: 1/13/08 JOB NO: R-06-507</p> <p>C473</p>	

PROJECT RESULTS

- S-1 - 15 PPM DRO AT 9 FEET
- S-2 - <1.4 PPM DRO AT 9 FEET
- G-1-1 - NO DRO/VOC DETECTS AT 12-14 FEET
- G-1-2 - 850 PPM DRO, ALONG WITH VOC AND PAH DETECTS AT 17-19 FEET

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- SOIL SAMPLE OR GEOPROBE LOCATION
- -- NATURAL GAS
- -- WATER

APPROXIMATE PROPERTY BOUNDARIES

- ◆ SITE ASSESSMENT SAMPLE LOCATION
- SOIL BORING SAMPLE LOCATION
- ⊕ MONITORING WELL SOIL SAMPLE LOCATION

— GENERAL EXTENT OF SOIL AND GROUNDWATER CONTAMINATION

▼ WATERTABLE ELEVATION

□ TAN TO BROWN, VERY FINE TO MEDIUM GRAINED SAND.

▨ AREA OF ABANDONED 20,000 GALLON HEATING OIL UST

B.3.a GEOLOGIC CROSS-SECTION

FRANCISCAN SKEMP HEALTH CARE



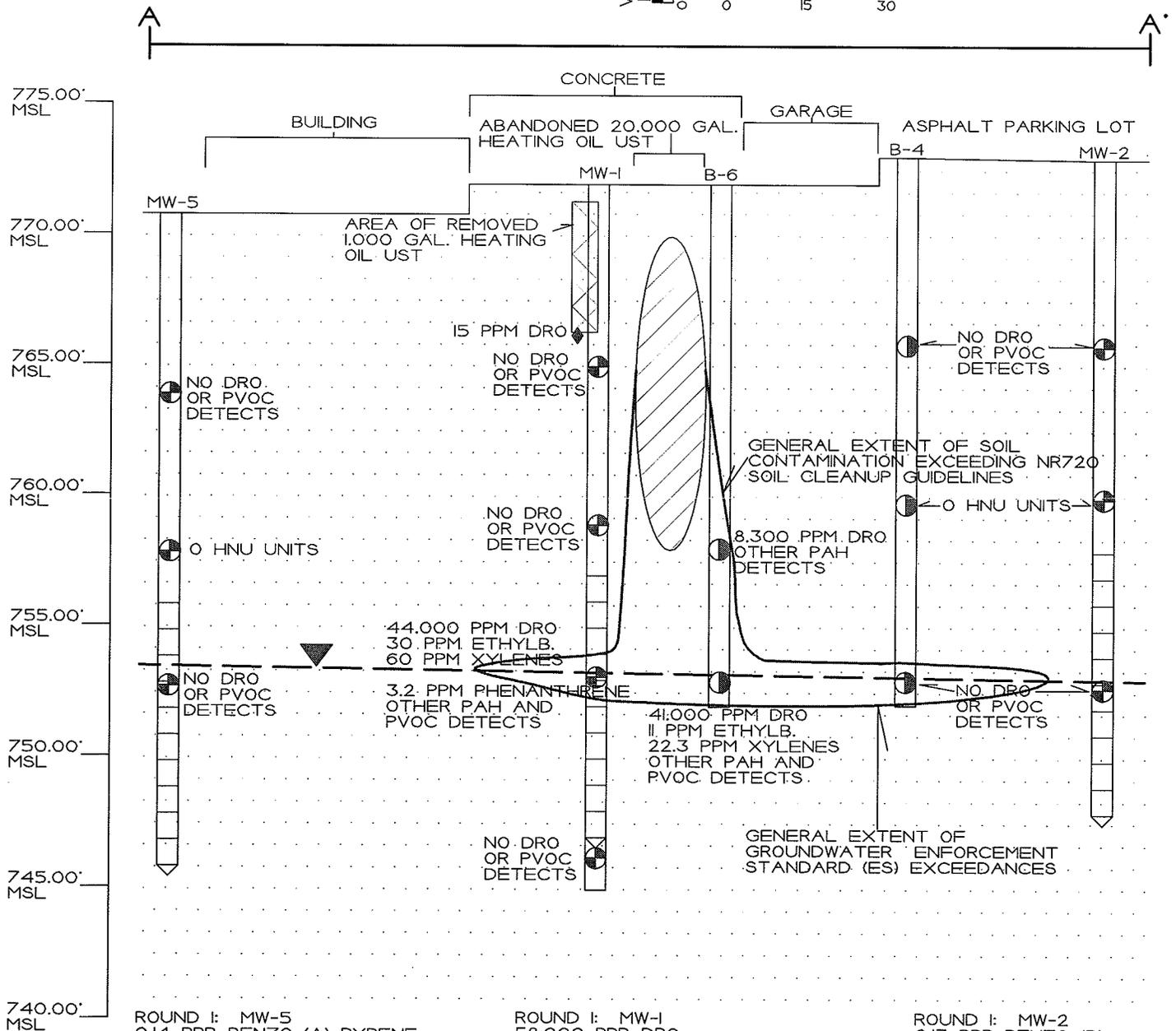
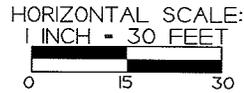
709 Gillette St., Ste 3
La Crosse, WI 54603
Tel: (608) 781-8878
Fax: (608) 781-8893

Excellence through experience™

SPARTA, WISCONSIN

DRAWN BY: JP C473
DATE: 2/25/99
JOB NO.: R-98-507

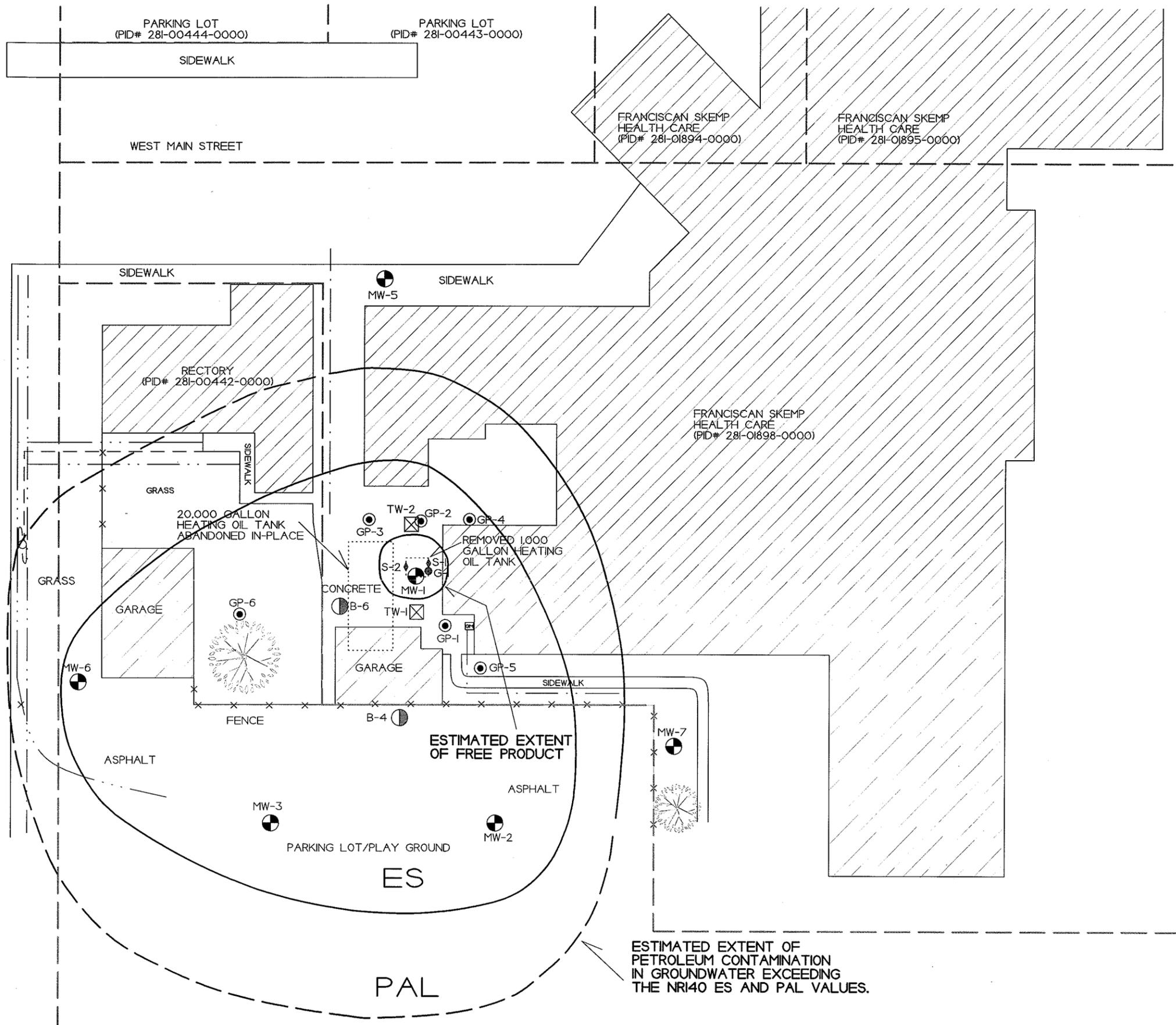
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



ROUND 1: MW-5
0.14 PPB BENZO (A) PYRENE
0.12 PPB BENZO (B) FLUORANTHENE
0.064 PPB CHRYSENE
OTHER PAH AND VOC DETECTS

ROUND 1: MW-1
58,000 PPB DRO
216 PPB TRIMETHYLBENZENE
20 PPB BENZENE
176 PPB XYLENES
350 PPB NAPHTHALENE
17 PPB BENZO (A) PYRENE
35 PPB BENZO (B) FLUORANTHENE
92 PPB CHRYSENE
380 PPB FLUORANTHENE
OTHER PAH AND VOC DETECTS

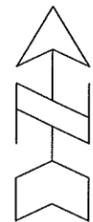
ROUND 1: MW-2
0.13 PPB BENZO (B)
FLUORANTHENE
OTHER PAH AND VOC
DETECTS
NO DRO DETECTS



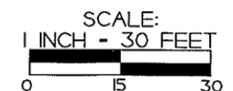
B.3.b GROUNDWATER ISOCONCENTRATION MAP (04/27/2011)

FRANCISCAN SKEMP HEALTH CARE

 <p style="font-size: 8px;">709 Gillette St., Ste 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 <i>Excellence through experience™</i></p>	<p>SPARTA, WISCONSIN</p> <p style="font-size: 8px;">DRAWN BY: JR/RA DATE: 1/13/98</p>
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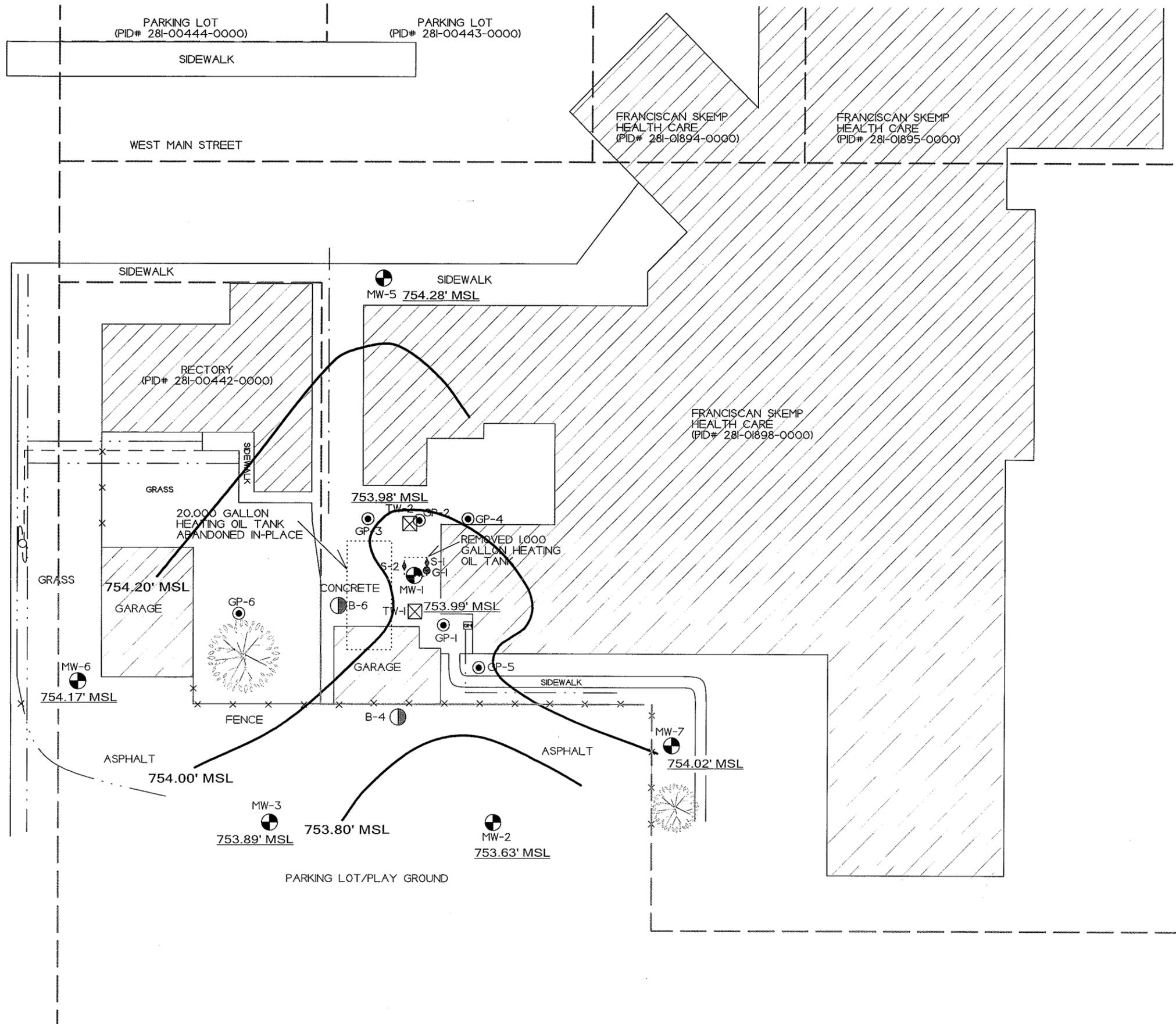
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



-  - TEMPORARY WELL LOCATION
-  - MONITORING WELL LOCATION
-  - SOIL BORING LOCATION
-  - SOIL SAMPLE OR GEOPROBE LOCATION
-  - GEOPROBE LOCATION (SHAW ENVIRONMENTAL)
-  - UTILITY POLE

-  NATURAL GAS
-  SEWER
-  WATER
-  BURIED TELEPHONE CABLE
-  UNDERGROUND ELECTRIC
-  APPROXIMATE PROPERTY BOUNDARIES

L STREET



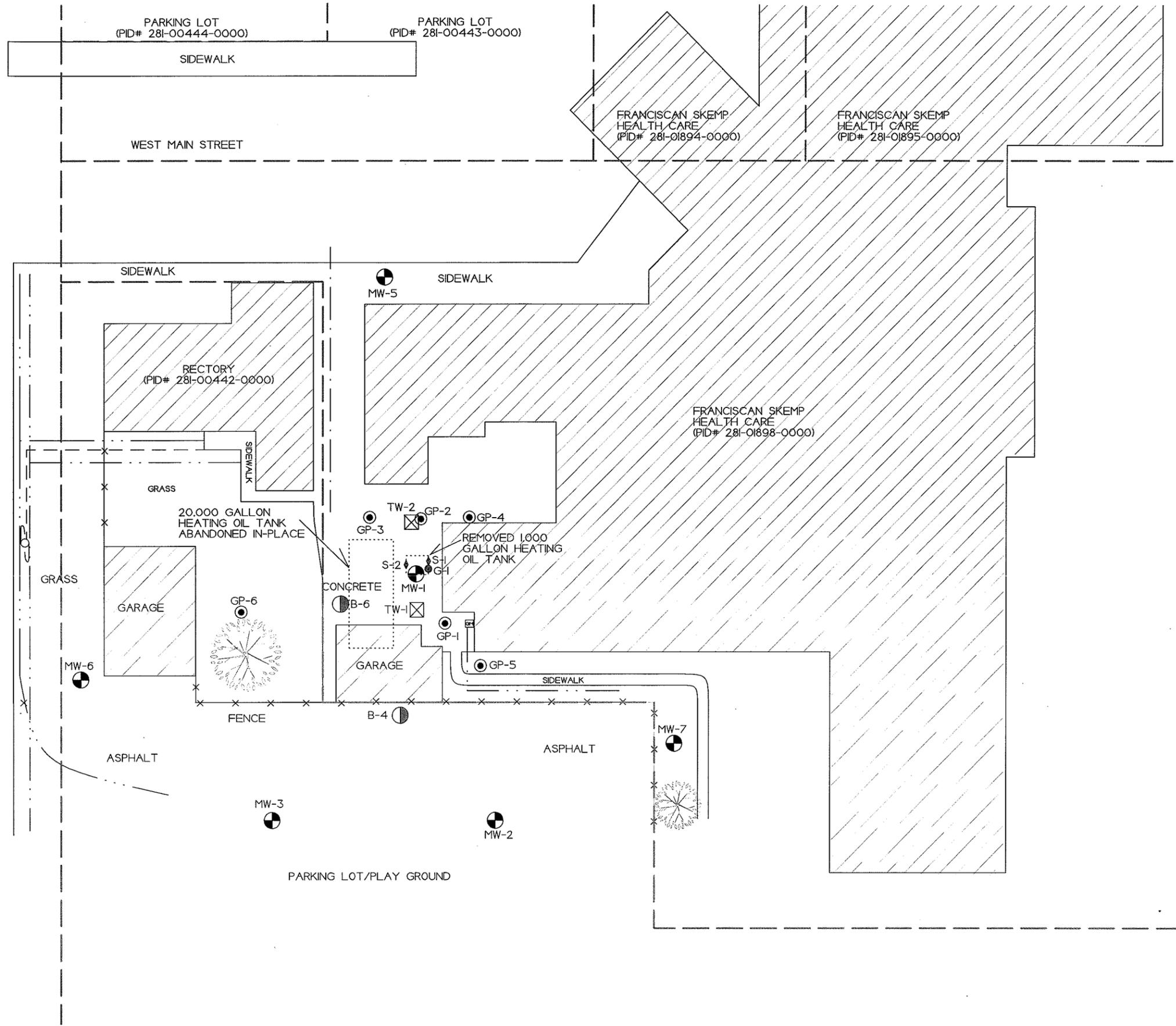
B.3.c GROUNDWATER FLOW DIRECTION MAP (04/27/2011)		
FRANCISCAN SKEMP HEALTH CARE		
 <small>709 Gillette St., Ste 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	SPARTA, WISCONSIN <small>DRAWN BY: JR/RA DATE: 1/13/98</small>	

NOTE: INFORMATION BASED ON AVAILABLE DATA.
ACTUAL CONDITIONS MAY DIFFER.



- TEMPORARY WELL LOCATION
- MONITORING WELL LOCATION
- SOIL BORING LOCATION
- SOIL SAMPLE OR GEOPROBE LOCATION
- GEOPROBE LOCATION (SHAW ENVIRONMENTAL)
- UTILITY POLE

- NATURAL GAS _____
- SEWER _____
- WATER _____
- BURIED TELEPHONE CABLE _____
- UNDERGROUND ELECTRIC _____
- APPROXIMATE PROPERTY BOUNDRIES _____



<h1>B.3.d MONITORING WELLS MAP</h1> <h2>FRANCISCAN SKEMP HEALTH CARE</h2>		
<p>709 Gillette St., Ste 3 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893 <i>Excellence through experience™</i></p>	<p>SPARTA, WISCONSIN</p> <p>DRAWN BY: JR/RA DATE: 1/13/98 MODIFIED BY: MM DATE: 01/18/13</p>	

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER.



- ☒ - TEMPORARY WELL LOCATION
- ⊕ - MONITORING WELL LOCATION (PROPOSED TO BE ABANDONED)
- - SOIL BORING LOCATION
- - SOIL SAMPLE OR GEOPROBE LOCATION
- ⊙ - GEOPROBE LOCATION (SHAW ENVIRONMENTAL)
- ⌚ - UTILITY POLE

- — — — — NATURAL GAS
- — — — — SEWER
- — — — — WATER
- — — — — BURIED TELEPHONE CABLE
- — — — — UNDERGROUND ELECTRIC
- — — — — APPROXIMATE PROPERTY BOUNDRIES

B.4.a Vapor Intrusion Map

No indoor/sub-slab vapor samples were collected.

Concerning the potential for vapor intrusion: 1) Free product (10 inches) is present in MW-1, which is located approximately 7 feet west of the building the building in the area of the removed heating (fuel) oil UST, however fuel oil is less likely to volatilize. 2) There does not appear to be any significant PVOC contamination within 5 feet of ground surface. 3) Benzene concentrations in groundwater are significantly lower than 1,000 ppb.

B.4.b Other Media of Concern

Due to the distance no surface water and/or sediment samples were collected.

The nearest surface water is the La Crosse River, which exists approximately 2,000 feet to the south of the Franciscan Skemp Health Care-Sparta Campus.

Documentation of Remedial Action (Attachment C)

DISCLAIMER

Documents contained in Attachment C of the Case Closure – GIS Registry (Form 4400-202) are not included in the electronic version (GIS Registry Packet) available on RR Sites Map to limit file size.

For information on how to obtain a copy or to review the file, please contact the Remediation & Redevelopment (RR) Environmental Program Associate (EPA) at dnr.wi.gov/topic/Brownfields/Contact.html



Attachment D/Maintenance Plan(s)

D.1 Location map

LEGEND

- MONITORING WELL
- GEOPROBE/SOIL BORING LOCATION
- UNDERGROUND STORAGE TANK
- UTILITY POLE
- UNDERGROUND ELECTRIC
- BURIED TELEPHONE CABLE
- BURIED GAS LINE
- UNDERGROUND WATER
- MANHOLE

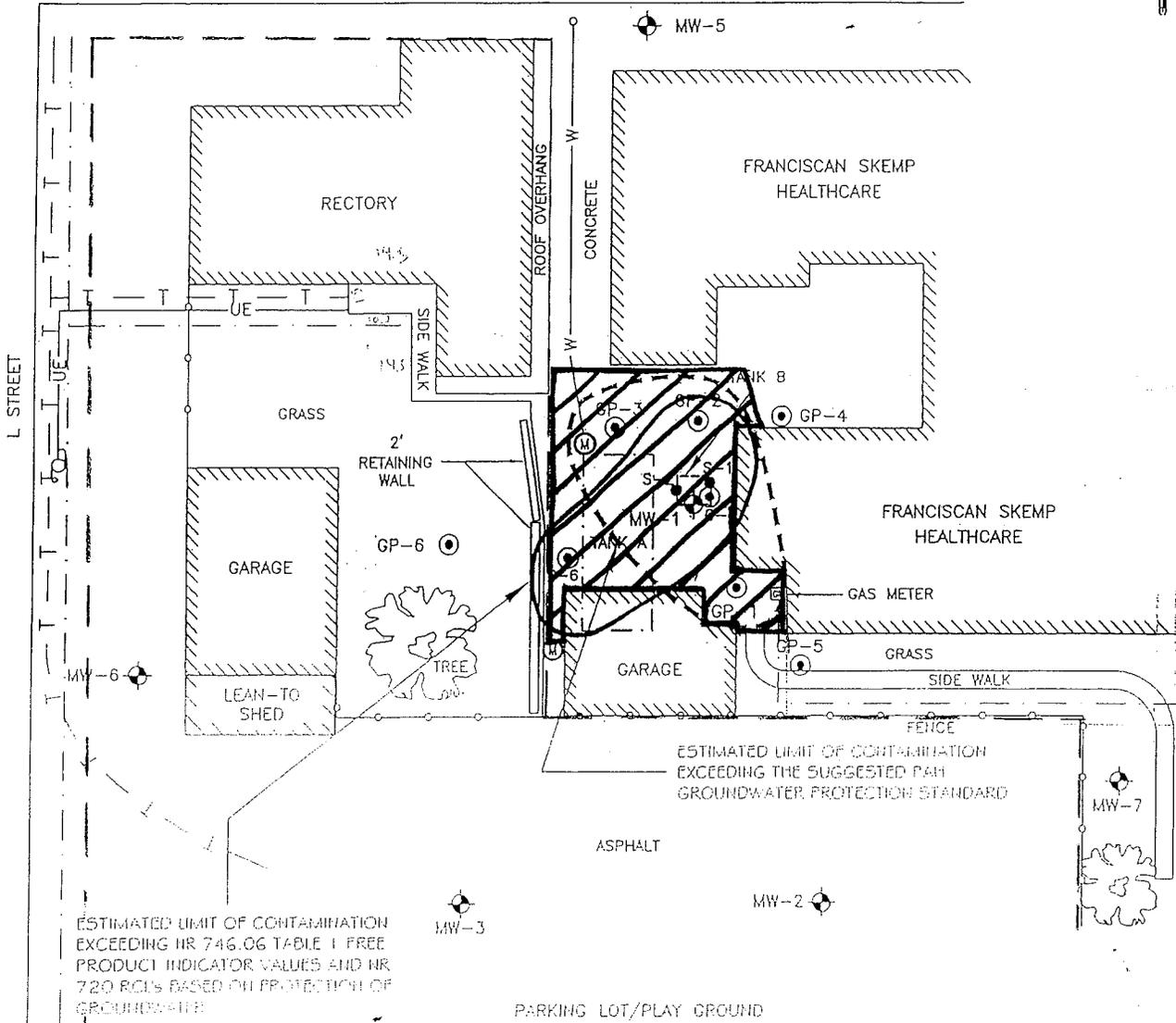
TANK LEGEND

- A 20,000-GALLON HEATING OIL TANK (ABANDONED IN-PLACE)
- B 1,000-GALLON HEATING OIL TANK (REMOVED)

--- Property Boundaries



Area of Barrier to be Maintained



ESTIMATED LIMIT OF CONTAMINATION EXCEEDING NR 746.06 TABLE 1 FREE PRODUCT INDICATOR VALUES AND NR 720 RCL'S BASED ON PROTECTION OF GROUNDWATER



Shaw Shaw Environmental, Inc.

831 Center Court
Oshkosh, Wisconsin 54650

SCALE



SOIL CONTAMINANT DISTRIBUTION	FIGURE NO.
FRANCISCAN SKEMP HEALTHCARE SITE SPARTA, WISCONSIN	2

Modified by METCO, MM, 01/23/13

ENGINEER	DATE
ENGINEER	DATE
REVISIONS:	
APPROVED BY:	
CHECKED BY:	
ARW	12/14/05
DRAWN BY:	
DRAWING NO.	020286-2500

D.2 Maintenance Plan-Brief Description

BARRIER MAINTENANCE PLAN

January 28, 2013

Franciscan Skemp Healthcare

Property Located at:

310 West Main Street
Sparta, WI 54656

FID # 642066480, WDNR BRRTS # 03-42-107318

See attached deed for legal description (Attachment G.1).
Parcel ID # 281-01890-0000

Introduction

This document is the Maintenance Plan for a asphalt/concrete barrier at the above-referenced property in accordance with the requirements of s. NR 724.13(2), Wisconsin Administrative Code. The maintenance activities relate to the existing concrete barrier occupying the area over the contaminated soil on-site.

More site-specific information about this property may be found in:

The case file in the DNR West Central regional office

BRRTS on the Web (DNR's internet based data base of contaminated sites):
<http://botw.dnr.state.wi.us/botw/SetUpBasicSearchForm.do>

GIS Registry PDF file for further information on the nature and extent of contamination:
<http://dnrmaps.wisconsin.gov/imf/imfApplyTheme.jsp?index=1>; and

The DNR project manager for Monroe County.

Description of Contamination

Soil contaminated by Diesel Range Organics, Ethylbenzene, Naphthalene, Toluene, Trimethylbenzene, Xylene, Methyl Naphthalene, and Phenanthrene is located at a depth of approximately 14 feet below ground surface and measure approximately 50 feet long, 48 feet wide, and up to 10 feet thick. The extent of the soil contamination is shown on the Barrier Maintenance Map presented in Attachment D.1.

Description of the Barrier to be Maintained

The Barrier consists of concrete. It is located in area of the removed 1,000 gallon heating oil UST and the abandoned-in-place 20,000 gallon heating oil UST as shown on the Barrier Maintenance Map presented in Attachment D.1.

Barrier Purpose

The concrete barrier over the contaminated soil serve as a barrier partial infiltration barrier to minimize future soil-to-groundwater contamination migration that would violate the groundwater standards in ch. NR 140, Wisconsin Administrative Code. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

D.3 Maintenance Plan-Description of Maintenance Action(s)

Annual Inspection

The barrier overlying the soil and as depicted in the attached map will be inspected once a year, normally in the spring after all snow and ice is gone, for deterioration, cracks and other potential problems that can cause additional infiltration into underlying soils. The inspections will be performed by the property owner or their designated representative. The inspections will be performed to evaluate damage due to settling, exposure to the weather, wear from traffic, increasing age and other factors. Any area where infiltration from the surface will not be effectively minimized will be documented. A log of the inspections and any repairs will be maintained by the property owner and is included as Attachment D.5 Barrier Inspection Log. The log will include recommendations for necessary repair of any areas where infiltration from the surface will not be effectively minimized. Once repairs are completed, they will be documented in the inspection log. A copy of the inspection log will be kept at the address of the property owner and available for submittal or inspection by Wisconsin Department of Natural Resources ("WDNR") representatives upon their request.

Maintenance Activities

If problems are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Repairs can include patching and filling or larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment ("PPE"). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the barrier overlying the contaminated soil are removed or replaced, the replacement barrier must be equally impervious. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the WDNR or its successor.

The property owner, in order to maintain the integrity of the barrier, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

Prohibition of Activities and Notification of DNR Prior to Actions Affecting a Barrier

The following activities are prohibited on any portion of the property where barrier is required as shown on the attached map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.

D.5 Maintenance Plan-Contact Information

Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

Contact Information

January 2013

Site or Property Owner and Operator:

Franciscan Skemp Medical Center, Inc.
310 West Main Street
Sparta, WI 54656
(608) 269-2132

Consultant: Jason T. Powell
METCO
709 Gillette St. Suite 3
La Crosse WI, 54603
(608) 781-8879

WDNR: Gina Keenan
WDNR West Central Region
1300W. Clairemont Ave., P.O. Box 4001
Eau Claire, WI 54702-4001
(715) 839-3765

Attachment E/Monitoring Well Information

All monitoring wells have been located and will be properly abandoned upon the DNR granting conditional closure at this site.

Attachment F/Notification to Owners of Impacted Properties

February 04, 2013

St. Patrick Parish
319 West Main Street
Sparta, WI 54656

To Whom it May Concern,

This letter is in regards to the investigation of a release of petroleum at 310 West Main Street, Sparta, Wisconsin that has shown that contamination has migrated onto your property. I have conducted a cleanup, and will be requesting that the Department of Natural Resources grant case closure. Closure means that the Department will not be requiring any further investigation or cleanup action to be taken.

As part of the cleanup, I am proposing that natural attenuation be used to address residual groundwater contamination at 310 West Main Street, Sparta, Wisconsin, but also at your property (319 West Main Street, Sparta, Wisconsin).

The Department of Natural Resources will not review my closure request for at least 30 days after the date of this letter. As an affected property owner, you have a right to contact the Department to provide any technical information that you may have that indicates that closure should not be granted for this site. If you would like to submit any information to the Department of Natural Resources that is relevant to this closure request, you should mail that information to: Gina Keenan, WDNR West Central Region, 1300 W. Claremont Ave., P.O. Box 4001, Eau Claire, WI 54702-4001 (715) 839-3765.

Please review the enclosed legal description of your property, and notify me within the next 30 days if the legal description is incorrect.

Before I request closure, I will need to inform the Department as to who will be responsible for the continuing obligation on your property. Under s. 292.12, Wis. Stats., the responsibility for maintaining all necessary continuing obligations for your property will fall on you or any subsequent property owner, unless another person has a legally enforceable responsibility to comply with the requirements of the final closure letter. If you need more time to finalize an agreement on the responsibility for the continuing obligation, you will need to request additional time from the Department contact identified in the last paragraph of this letter.

Under s. 292.12(5), Wis. Stats., occupants of this property are also responsible for complying with any continuing obligations. Please notify any current and future occupants that may be affected by a continuing obligation, by supplying them with a copy of this letter. The DNR fact sheet, RR-819, "Continuing Obligations for Environmental Protection", has been included with this letter, to help explain a property owner's responsibility for continuing obligations on their property. If the fact sheet is lost, you may obtain copies at <http://dnr.wi.gov/files/PDF/pubs/rr/RR819.pdf> ."

If closure for this site is approved, the following are some continuing obligations for which you and any subsequent property owner will be responsible.

Groundwater contamination that appears to have originated on the property located at 310 West Main Street, Sparta, Wisconsin has migrated onto your property north of the 319 West Main Street, Sparta, Wisconsin. The levels of Benzo(a)pyrene, Benzo(b)fluoranthene, and Chrysene contamination in the groundwater on your property are above the state groundwater enforcement standards found in chapter NR 140, Wisconsin Administrative Code. If you intend to construct a new well, or reconstruct an existing well, you'll need prior DNR approval.

However, the environmental consultants who have investigated this contamination have informed me that this groundwater contaminant plume is stable or receding and will naturally degrade over time. I believe that allowing natural attenuation to complete the cleanup at this site will meet the requirements for case closure

that are found in chapter NR 726, Wisconsin Administrative Code, and I will be requesting that the Department of Natural Resources accept natural attenuation as the final remedy for this site and grant case closure.

The following DNR fact sheet (RR 671 – "What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater") has been included with this letter, to help explain the use of natural attenuation as a remedy. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR671.pdf>.

Residual soil contamination remains at 310 West Main Street, Sparta, Wisconsin and at the property boundary to the west into your property at 319 West Main Street, Sparta, Wisconsin. The remaining contamination includes Diesel Range Organics, Ethylbenzene, 1,3,5 Trimethylbenzene, and Xylene.

If soil in the specific locations described above is excavated, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

Once the Department makes a decision on my closure request, it will be documented in a letter. If the Department grants closure, you will receive a copy of the closure letter. If you need to, you may also obtain a copy of the closure letter by requesting a copy from me, by writing to the agency address given above or by accessing the DNR Geographic Information System (GIS) Registry (via RR Sites Map) on the internet at <http://dnr.wi.gov/topic/Brownfields/clean.html>. The final closure letter will contain a description of the continuing obligation, any prohibitions on activities and will include any applicable maintenance plan. The final closure letter, any required maintenance plan and a map of the properties affected will be included as part of the site file attached on the GIS Registry.

If this case is closed, all properties within the site boundaries where groundwater contamination attains or exceeds chapter NR 140 groundwater enforcement standards and/or soil contamination attains or exceeds ch. NR 720 residual contaminant levels will be listed on the publically accessible Bureau for Remediation and Redevelopment Tracking System on the Web (BOTW) to provide public notice of remaining contamination and of any continuing obligations. In addition, information will be displayed on the Remediation and Redevelopment Sites Map (RR Sites Map); a mapping application, under the GIS Registry theme. This GIS Registry is available to the general public on the Department of Natural Resources' internet web site. DNR approval prior to well construction or reconstruction is required for all sites shown on the GIS Registry, in accordance with s. NR 812.09(4) (w), Wis. Adm. Code.

Should you or any subsequent property owner wish to construct or reconstruct a well on your property, special well construction standards may be necessary to protect the well from the remaining contamination. Any well driller who proposes to construct a well on your property in the future will first need to obtain approval from a regional water supply specialist in DNR's Drinking Water and Groundwater Program. The well construction application, form 3300-254, is on the internet at <http://dnr.wi.gov/org/water/dwg/forms/3300254.pdf>, or may be accessed through the GIS Registry web address in the preceding paragraph.

The following fact sheet (Department of Natural Resources' publication #RR-589, "Guidance for Dealing with Properties Affected by Off-Site Contamination") has been included with this letter, to help explain the responsibilities you may have for maintenance of a certain remedy, the limits of any liability for investigation and cleanup of contamination, and how these differ. If the fact sheet is lost, you may obtain a copy at <http://dnr.wi.gov/files/PDF/pubs/rr/RR589.pdf>.

If you need more information about my proposed cleanup completion and request for closure, you may contact me at (608) 269-2132. If you need more information about cleanups and closure requirements, or to review the Department's file on my case, you may contact Gina Keenan at Wisconsin Department of Natural Resources, 1300 W. Clairemont Ave., P.O. Box 4001, Eau Claire, WI 54702-4001 or (715) 839-3765.

Attachments:

Legal Description

RR 819 – Continuing Obligations for Environmental Protection

RR 671 – What Landowners Should Know: Information About Using Natural Attenuation to Clean Up Contaminated Groundwater

RR589 – Guidance for Dealing With Properties Affected by Off-Site Contamination

Soil Contaminant Distribution

Groundwater Contaminant Map (4/27/2011)

Sincerely,

A handwritten signature in cursive script that reads "Daniel Scholze". The signature is written in black ink and is positioned below the word "Sincerely,".

Dan Scholze (Franciscan Skemp Healthcare Sparta Campus)

LEGAL DESCRIPTION (319 West Main Street, Sparta, WI 54656)

Lots 13, 14, 15, 16 and 17 in Block 5 of Bard's First Addition to the City of Sparta, Monroe County, Wisconsin, Except the East ½ of said Lots 16 and 17, said East ½ being part of lands described in Volume 1 of Certified Survey Maps, page 66 as Document Number 273431.

Lots 1 and 2 in Block 7 of Bard's Original Plat to the Village, now City of Sparta, Monroe County, Wisconsin.

That part of the vacated alley located in said Block 5 and lying between said Lots 13 and 14 in Block 5 of Bard's First Addition and said Lots 1 and 2 in Block 7 of Bard's Original Plat and the West ½ of said alley lying East of said Lot 15 in Block 5 of Bard's First Addition.

Together with the right to use a right-of-way over the South ½ of that part of West Main Street that is contiguous to the West 75.3 feet of said Lot 17 in Block 5.

Subject to water pipe rights over part said Lot 13 in Block 5 as described in Volume 178 of Records, page 798 as Document Number 431928.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

St. Patrick Parish
319 West Main Street
Sparta, WI 54656

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Susan Bushmaker Agent Addressee

B. Received by (Printed Name) C. Date of Delivery
Susan Bushmaker *2-7-13*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7012 1010 0000 2236 1927
(Transfer from service label)

Attachment G/Source Legal Documents

VOL 213 PAGE 420

273277

This Indenture, Made this 11th day of March, 19 63,
between the ST. ROSE CONVENT

a corporation,

duly organized and existing under the laws of the State of Wisconsin
and having its principal office in the City of La Crosse and State of
Wisconsin of the first part, and St. Mary's Hospital a corporation,
duly organized and existing under the laws of the State of Wisconsin

, party of the second part.

Witnesseth, That the said party of the first part, for and in consideration of the sum of
One Dollar and other valuable consideration Dollars
to it in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged and
confessed, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed and by
these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party
of the second part, its successors and assigns forever, the following described real estate situated in the
County of Monroe and State of Wisconsin, to-wit:

Lots 3, 4 and 5, Block 7, Original Plat of the Village, now City
of Sparta; East half of Lots 16 and 17, Block 5, Bard's 1st Addition
to the Village, now City of Sparta; also vacated alley between Lots
16 and 17, Block 5, Bard's Addition, Sparta, and Lots 3, 4 and 5,
Block 7, Original Plat, Sparta.

Together with all and singular the hereditaments and appurtenances thereunto belonging, or in anywise
appertaining; and all the estate, right, title, interest, claim or demand whatsoever of the said party of the
first part, either in law or equity, either in possession or expectancy of, in and to the above bargained
premises and their hereditaments and appurtenances, TO HAVE AND TO HOLD the said premises as
above described, with said hereditaments and appurtenances, unto the said party of the second part and to
its successors and assigns forever.

And the said grantor, for itself and its successors, doth hereby covenant, grant, bargain and agree
and with the said party of the second part, its successors and assigns, that at the time of the ensembling
and delivery of these presents, the said party of the first part is well seized of the premises above described,
as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that
the same are free and clear from all incumbrances whatever.

and doth
further covenant that the above bargained premises, in the quiet and peaceable possession of the said
party of the second part, its successors and assigns, against all and every person or persons lawfully
claiming the whole or any part thereof, it and they shall and will forever WARRANT and DEFEND.

In Witness Whereof, the said party of the first part hath caused these presents to be signed by its Mother M. Joan Cremer President, countersigned by its Secretary, and its corporate seal to be hereunto affixed the day and year first herein written.

Signed, Sealed and Delivered in Presence of:

Sister M. Constance Vonderhaar
Sister M. Rosale Pernsteiner
Sister M. Rosile Pernsteiner

ST. ROSE CONVENT

By Mother M. Joan Cremer Its President
Mother M. Joan Cremer

Countersigned by

Sister M. Annella Bopp Its Secretary

Sister M. Annella Bopp

Corporate Seal

State of Wisconsin,

La Crosse County, ss.

Personally came before me this 11th day of March, 1963, Mother M. Joan Cremer, the president of the St. Rose Convent, a corporation, and Sister M. Annella Bopp the secretary thereof, to me known to be the persons who as such officers executed the above and foregoing instrument in the name of such corporation, affixed its corporate seal thereto and acknowledged said instrument to be the duly authorized act of said corporation.

Lucille Bell
Lucille Bell

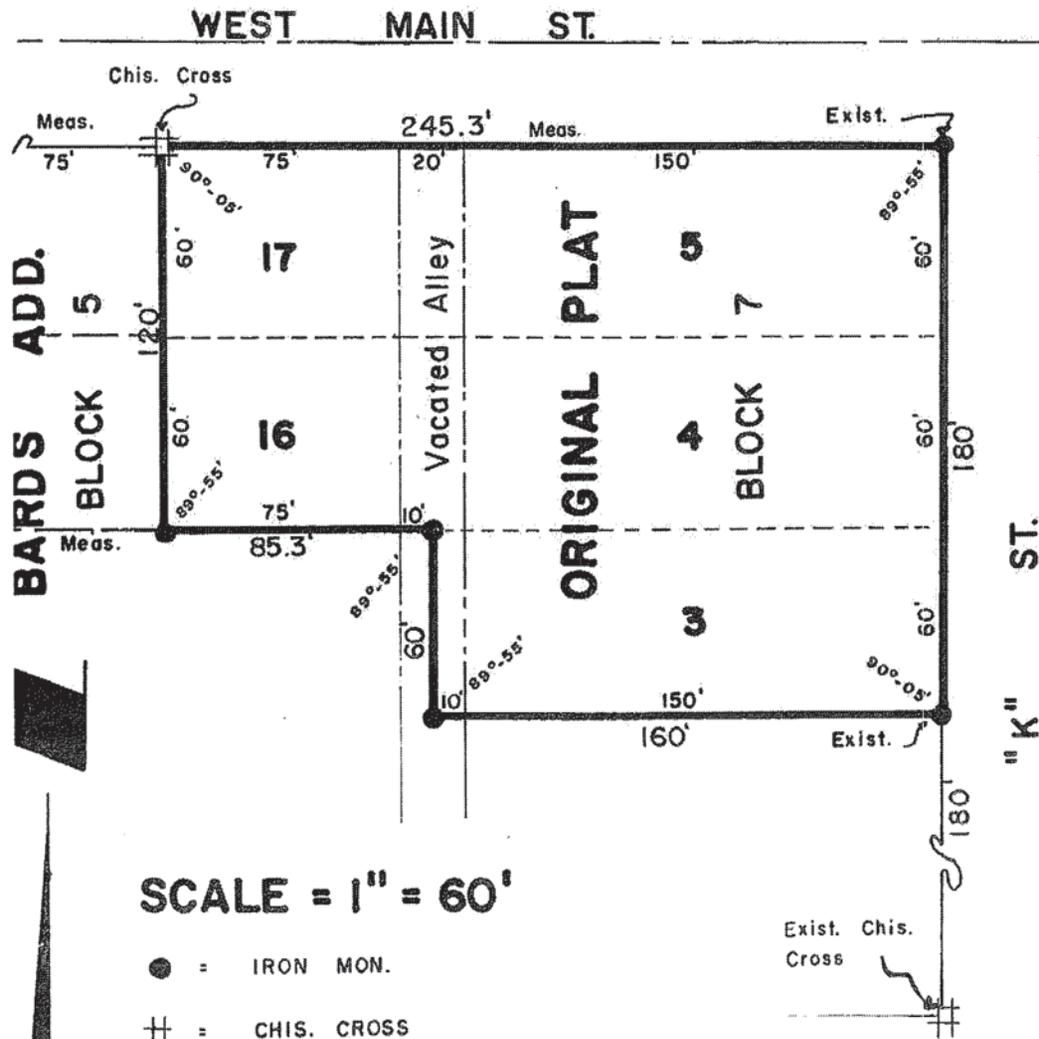
My commission expires Sept. 4, 1966

(N.B.—Ch. 59 Wis. Stats. provides that all instruments to be recorded shall have plainly printed or typewritten thereon the names of the grantors, grantees, witnesses and notary.)

This instrument drafted by Attorney C. N. Goerd



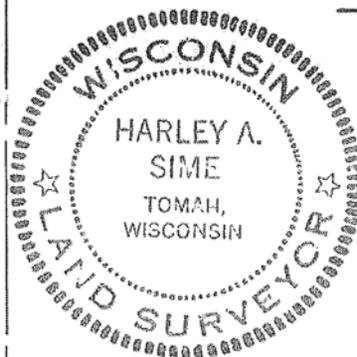
Registry table with columns for No., To, WARRANTY DEED, REGISTER'S OFFICE, Received for Record, and Register of Deeds. Includes handwritten entries for St. Rose Convent, Mary's Hospital, and dates March 14, 1963.



Lots 3-4-5 of Block 7 of the Orig. Plat and the East 1/2 of Lots 16-17 of Block 5 of Bard's Add. Also the Vac. Alley adjoining said Lots 3-4-5 and Lots 16-17. All in the City of Sparta, Monroe County, Wisconsin.

I H. A. Sime being a duly qualified Surveyor do hereby certify that by the order and under the direction of Sister M. Stella of the St. Mary's Hospital of Sparta, Wis., I surveyed and mapped the property described above and the within Plat is the true and correct representation of the exterior boundaries of the land surveyed and that I have fully complied with the provisions of chapter 236 of the Wis. Statutes to the best of my knowledge and belief.

H. A. Sime
 H. A. Sime
 Registered Land Surveyor
 Tomah, Wisconsin



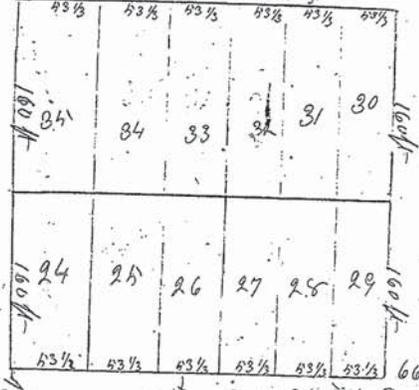
Reg. No. S-355
 March 11, 1963

CERTIFIED SURVEY MAP

Part of Lots 16-17 of Bard's Add. Blk. 5
 Part of vacated Alley and all of
 Lots 3-4-5 of Block 7, Orig. Plat
 City of Sparta, Monroe Co. Wisconsin

A. P. Bonds
 Addition to the Village of
 Sparta

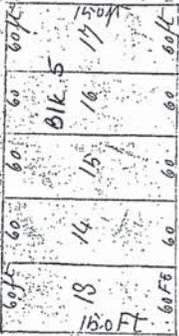
North Street East



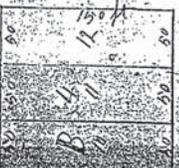
Central Ave



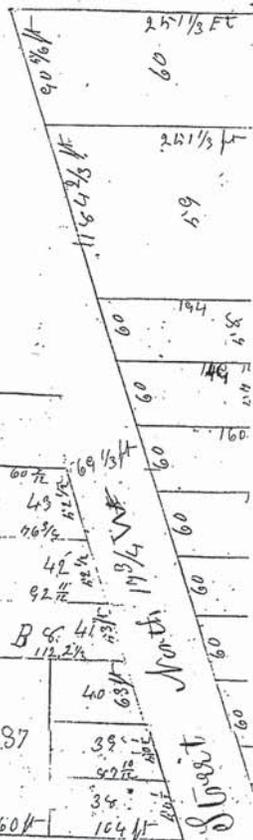
Main Street East



Oak Street



Street



I hereby certify that I
 of Sparta the same being on the Sec
 No 14 North of Range No 4 West of the
 1st 6th description of the work done

A. P. Bonds }
 George Barry } Chairman

The Stone from which further Sur
 at the South East Corner of Block No
 corner of sections 13, 14, 23 & 24 and

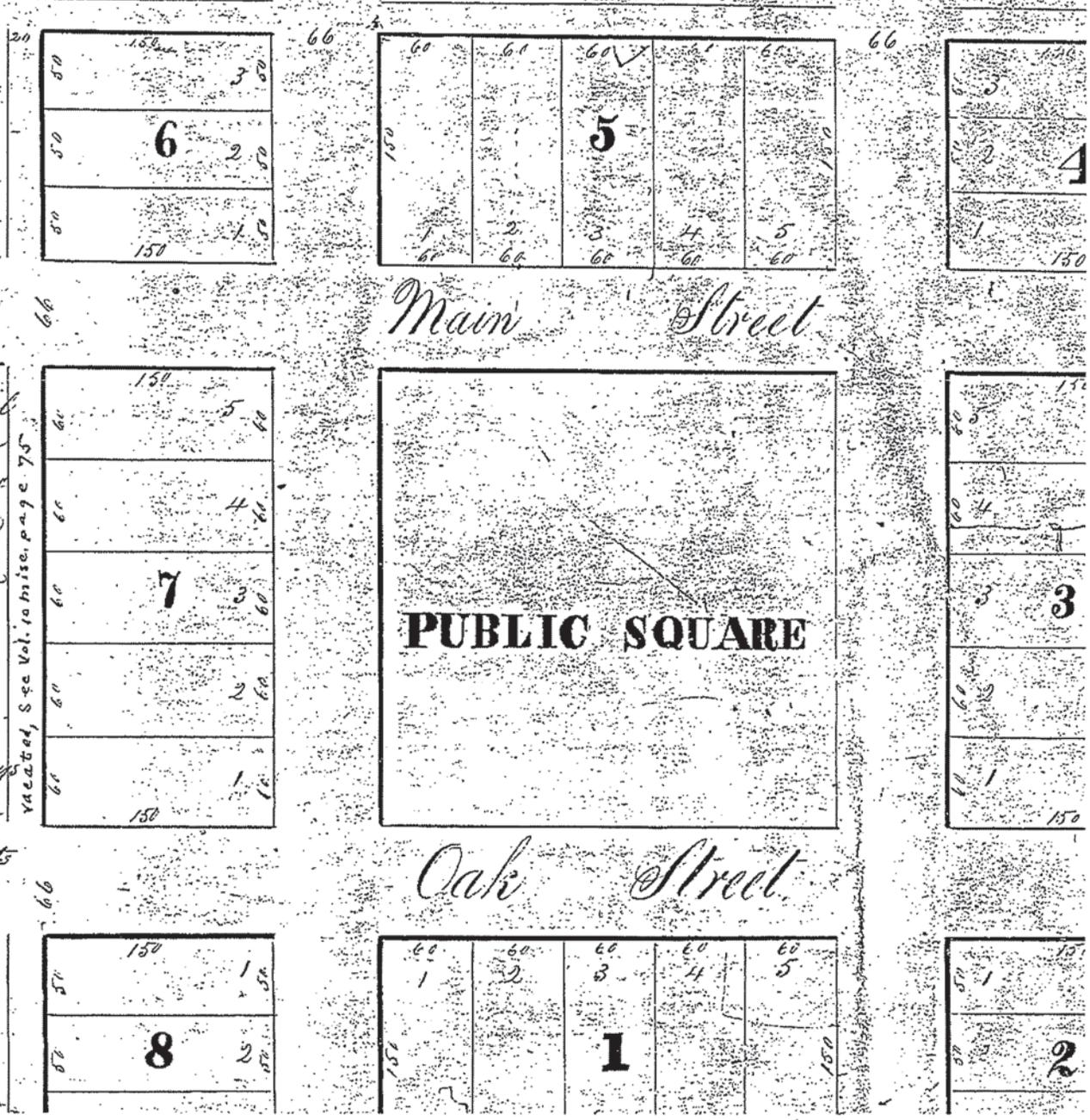
Signed in presence of
 B. W. Fish

Went
 me a fixture of the piece for it
 that the above description of it
 and that he signed the S.

Boone

3,40

Original Plat of SPARTA



I hereby certify that a copy of a plat above filed in the North Western and Range Four Meridian of the work.

of future surveys at the N.W. corners of Lots

Chambers Marker

vacated, See Vol. 10 misc. p. 9 & 75

581624

DOCUMENT NO.

AFFIDAVIT OF CORRECTION

THIS FORM IS INTENDED TO CORRECT SCRIVENER'S ERRORS.

THIS FORM SHOULD NOT BE USED FOR THE FOLLOWING PURPOSES WITHOUT THE NOTARIZED SIGNATURES OF THE GRANTOR/GRANTEE*

- Altering boundary lines
- Adding property
- Altering title/ownership
- Deleting property

AFFIANT, hereby swears or affirms that the attached document recorded on 19th day of November, 2007 (year) in volume _____, page _____, as document no. 579657 and was recorded in the Register of Monroe County, State of WI, contained the following error (If more space is needed, please attach an addendum):

Lots 13, 14, 15, 16 and 17, Block 5 of Bard's First Addition to the City of Sparta. The East 1/2 of Lots 16 and 17, Block 5, and Reserving Water Pipe Rights as described in Vol 178 Recs 798: City of Sparta, Monroe County, Wisconsin.

The correction is as follows (if more space is needed, please attach an addendum):
See Attachment

A complete original or copy of the original document should be attached.

Dated this 21st day of January, 2008

Affiant's Signature (type name below)

* _____

+ Jerome E. ListECKi
Grantor's Signature (type name below)

* Bishop Jerome E. ListECKi

Grantor's Signature (type name below)

* _____

+ Jerome E. ListECKi
Grantee's Signature (type name below)

* Bishop Jerome E. ListECKi

Grantee's Signature (type name below)

* _____

STATE WISCONSIN) SS
COUNTY OF LA CROSSE

Subscribed and sworn to (or affirmed) before me this day of 21st Jan 2008

Sharon L. Johnson
Notary Public, State of Wisconsin

My Commission (expires): 2-7-09

REGISTER'S OFFICE
County of Monroe, WI

Received for record this 8
day of Feb A.D., 2008
at 10:05 o'clock A M
Jo G. B. Sunda Registers

000062

RECORDING AREA

NAME AND ADDRESS

James G. Birnbaum
PO Box 308
La Crosse, WI 54601
15pd

Pin: 281-442-0000

FEE
#77.25(3)
EXEMPT

Drafted Attorney James G. Birnbaum

000063

Grantor: St. Patrick's Congregation of the City of Sparta
Grantee: St. Patrick Parish

CORRECTED LEGAL DESCRIPTION

ATTACHMENT TO JANUARY 2008 QUIT CLAIM DEED:
ST. PATRICK'S CONGREGATION OF THE CITY OF SPARTA/ST. PATRICK
PARISH

Lots 13, 14, 15, 16 and 17 in Block 5 of Bard's First Addition to the City of Sparta, Monroe County, Wisconsin, EXCEPT the East ½ of said Lots 16 and 17, said East ½ being part of lands described in Volume 1 of Certified Survey Maps, page 66 as Document Number 273431.

Lots 1 and 2 in Block 7 of Bard's Original Plat to the Village, now City of Sparta, Monroe County, Wisconsin.

That part of the vacated alley located in said Block 5 and lying between said Lots 13 and 14 in Block 5 of Bard's First Addition and said Lots 1 and 2 in Block 7 of Bard's Original Plat and the West ½ of said alley lying East of said Lot 15 in Block 5 of Bard's First Addition

Together with the right to use a right-of-way over the South ½ of that part of West Main Street that is contiguous to the West 75.3 feet of said Lot 17 in Block 5.

Subject to water pipe rights over part said Lot 13 in Block 5 as described in Volume 178 of Records, page 798 as Document Number 431928.

581624

579657

State Bar of Wisconsin Form 3-2003
QUIT CLAIM DEED

000064

REGISTER'S OFFICE
County of Monroe, WI

Document Number

Document Name

THIS DEED, made between St. Patrick's Congregation of the City of Sparta

("Grantor," whether one or more),
and St. Patrick Parish

("Grantee," whether one or more).

Received for record this 19
day of Nov A.D., 2007
at 10:40 o'clock A.M.
J. G. Birnbaum Registers
000091

Grantor quit claims to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Monroe County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):
Lots 13, 14, 15, 16 and 17, Block 5 of Bard's First Addition to the City of Sparta. The East 1/2 of Lots 16 and 17, Block 5, and Reserving Water Pipe Rights as described in Vol 178 Recs 798: City of Sparta, Monroe County, Wisconsin.

Recording Area \$11 pd
Name and Return Address
Attorney James G. Birnbaum
PO Box 308
La Crosse, WI 54602-0308

281-442-0000
Parcel Identification Number (PIN)
This Is Not homestead property.
(is) (is not)

FEE
#...25(20)
EXEMPT

Dated November 16, 2007

* Bishop Jerome E. ListECKi, Bishop -Diocese of La Crosse

* Bishop Jerome E. ListECKi, Bishop-St. Patrick Parish

* + Jerome E. ListECKi

* + Jerome E. ListECKi

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) Bishop Jerome E. ListECKi

STATE OF WISCONSIN)
LA CROSSE COUNTY) ss.

authenticated on November 16, 2007

* James G. Birnbaum
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. § 706.06)

Personally came before me on _____,
the above-named _____
to me known to be the person(s) who executed the foregoing
instrument and acknowledged the same.

THIS INSTRUMENT DRAFTED BY:
James G. Birnbaum, Birnbaum, Seymour, Kirchner & Birnbaum
PO Box 308, La Crosse, WI 54602-0308

* _____
Notary Public, State of Wisconsin
My Commission (is permanent) (expires: _____)

(Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

128

Attachment G
City of Sparta Zoning Map



Obtained from Monroe County Online GIS System

- B-1:** Downtown Business District
- CU:** Civic Use
- R-3:** Multiple Family Residential
- R-6:** Existing Residential

WDNR BRRTS Case #: 03-42-107318

WDNR Site Name: Franciscan Skemp Healthcare

Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

DANIEL A SCHOLZE Fac Ops Supervisor
(print name/title)

Daniel Scholze 2-15-13
(signature) (date)