

## Source Property Information

**BRRTS #:**

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**PECFA#:**

**\*WTM COORDINATES:**

X:  Y:

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

**WTM COORDINATES REPRESENT:**

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)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

#### Site Specific Obligations:

Soil: maintain industrial zoning (220)

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

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

Direct Contact

Soil to GW Pathway

Vapor Mitigation (226)

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*

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

**NOTICE: Completion of this form is mandatory** for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 03-68-001364 (No Dashes) PARCEL ID #: 1006981001  
ACTIVITY NAME: Banting Elementary School WTM COORDINATES: X: 666207 Y: 285623

### CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter**
- Maintenance Plan** (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- Conditional Closure Letter**
- Certificate of Completion (COC)** (for VPLE sites)

### SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.  
*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.*
- 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)).
- Figure #:**                      **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

### MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

- 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 parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.  
*Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.*
- Figure #: D-1                      Title: Site Location Map**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, 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 s. NR 720.09, 720.11 and 720.19.
- Figure #: D-2                      Title: Site Plan**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all 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 s. NR 720.09, 720.11 and 720.19.
- Figure #: D-2                      Title: Site Plan**

BRRTS #: 03-68-001364

ACTIVITY NAME: Banting Elementary School

**MAPS (continued)**

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

**Figure #: D-3 Title: Geologic Cross Section Locations**

**Figure #: D-4 Title: Geologic Cross Sections**

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

**Note:** This is intended to show the total area of contaminated groundwater.

**Figure #: Title:**

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

**Figure #: Title:**

**Figure #: Title:**

**TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))**

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.  
**Note:** This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

**Table #: D-5, D-6 Title: Soil Analytical Results Summary - PVOCS  
Soil Analytical Results Summary - PAHs**

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

**Table #: Title:**

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

**Table #: Title:**

**IMPROPERLY ABANDONED MONITORING WELLS**

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

**Note:** If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

**Note:** If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

**Figure #: Title:**

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 03-68-001364

ACTIVITY NAME: Banting Elementary School

## NOTIFICATIONS

### Source Property

**Not Applicable**

**Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.

**Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

### Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

**Not Applicable**

**Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

**Number of "Off-Source" Letters:**

**Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

**Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.

**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.

**Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

**Number of "Governmental Unit/Right-Of-Way Owner" Letters:**



**STATE OF WISCONSIN**  
Department of Safety and Professional Services

Mail to:  
P.O. Box 8044  
Madison, Wisconsin 53708-8044  
TTY: (608) 267-2416  
Fax: (608) 267-1381  
Email: [dspd@wisconsin.gov](mailto:dspd@wisconsin.gov)  
Web: <http://dspd.wi.gov>

**Governor Scott Walker**

**Secretary Dave Ross**

September 13, 2011

Glen Norder  
School District of Waukesha  
707 W College Ave  
Waukesha, WI 53186

RE: **Final Closure**

**PECFA # 53186-2634-19-A** DNR BRRTS # 03-68-001364  
Banting Elementary School, 2019 Butler Dr, Waukesha

Dear Mr. Norder:

The Wisconsin Department of Safety and Professional Services (DPS) has reviewed the request for case closure prepared by your consultant, SCS BT Squared, for the site referenced above. DPS has determined that this site does not pose a significant threat to human health or the environment. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the DPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. To review sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must 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.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-5401.

Sincerely,

Shawn A. Wenzel  
Hydrogeologist  
Site Review Section

cc: Robert Langdon, SCS BT Squared

2141538

REEL 2271 IMAGE 0633

**REAL ESTATE TRANSFER AND QUIT CLAIM DEED**

This deed is made in connection with action taken by the Board of Education of the School District of Waukesha (the "School District") to dissolve the city school district and to create a unified school district in accordance with the provisions of Section 117.043(2)(a), Wis. Stats. (1981-82), as amended by Chapter 340, Laws of 1981.

**WITNESSETH:**

WHEREAS, Chapter 340, Laws of 1981 requires all city school districts to reorganize into either unified or common school districts; and

WHEREAS, on May 10, 1982 the Board of Education of the School District adopted a resolution to reorganize the present city school district as a unified school district; and

WHEREAS, the reorganization will be effective on July 1, 1982; and

WHEREAS, Section 120.58, Wis. Stats. (1981-82), as amended by Chapter 340, Laws of 1981, provides that when a city school district is abolished and a unified or common school district is created in its place all school property of the city school district shall be sold and transferred to the newly created school district at a price equal to the principal amount of the then outstanding obligations of the city issued for school purposes; and

WHEREAS, the transfer of the school property from the City of Waukesha (the "City") to the School District took effect by operation of law on the effective date of the reorganization, July 1, 1982; and

WHEREAS, for clarification purposes it is appropriate and desirable for the School District to make a record of this transfer by filing this deed in the office of the Registrar of Deeds in Waukesha County; and

WHEREAS, pursuant to a Resolution adopted by the Board of Education on August 11, 1982, the School District President and School District Clerk are authorized to make, execute and file this deed to evidence the aforesaid transfer of school property,

NOW, THEREFORE:

THIS deed is made this 2ND day of FEBRUARY, 1996, between the City of Waukesha, a Wisconsin municipal corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, and the School District of Waukesha, a Wisconsin municipal body corporate.

*School District of Waukesha  
Robert Buchholz / t2  
222 Myrtle Ave.  
Waukesha, WI 53186*

*PL4*

FEE  
#77,25(2)  
EXEMPT



2141538

REEL 2271 IMAGE 0635

REGISTER'S OFFICE  
WAUKESHA COUNTY, WIS } SS  
RECORDED ON

EXHIBIT "A"

96 JUL 15 PM 2:45  
*Reel 2271, Image 0633*  
*[Signature]*

LEGAL DESCRIPTION

Horning Middle School and Banting School Property - Part Tax Key 1006.98  
(2000 Wolf Road) (2019 Butler Drive)

All that part of the Northeast ¼ of Section 35 and Northwest ¼ of Section 36 Town 7 North, Range 19 East, City of Waukesha, Waukesha County, Wisconsin, bounded and described as follows:

Commencing at the Northeast corner of Lot 26, Block I, Greenway Terrace, a recorded Subdivision in the City of Waukesha; thence due North to the intersection of the West line of Wolf Road with the North line of Butler Drive and the place of beginning of the following described property. Thence North 87°55' West along the northerly line of said Butler Drive, 7.41 feet to the beginning of a curve; thence 342.49 feet along said Northerly line and the arc of a curve, center lies to the North, having a radius of 1172.69 feet to the end of said curve; thence North 71°11' West along said northerly line, 156.00 feet to the beginning of a curve; thence 370.67 feet along the Northeasterly line of said Butler Drive and the arc of a curve, center of which lies to the Northeast, having a radius of 298.35 feet to the end of said curve; thence due North along the Easterly line of said Butler Drive, 340 feet more or less to a point; thence due East on a line between the existing drive for the school and the existing park shelter building, 450 feet more or less to a point; thence due South, 55 feet more or less to a point; thence due East, 230 feet more or less to a point on the aforesaid West line of Wolf Road; thence due South along said West line, 680 feet more or less to the place of beginning.

Reserving therefrom, a permanent 25 foot easement for the maintenance of a 36" storm sewer lying 12.5 feet on each side of the following described centerline:

Commencing at the Northwest corner of the Horning Middle School and Banting Elementary School parcel and going East, 320.00 feet to the point of beginning of said easement; thence South 01°15'00" East, 667.69 feet to a point on the South line of said school parcel, said point being on the North line of Butler Drive and being North 71°11'00" West of and 16.08 feet distant from the end of a curve, said point also being the end of said easement.

NOTE: The above Legal Description was prepared by the City of Waukesha Engineering Department from Original Deeds at time of the purchase of property, drawings and assessment roll legal descriptions. The City did not do a field survey of this property.

## SCS BT SQUARED

June 11, 2011  
File No. BT Squared # 4096

### RECORD OF TELEPHONE CONVERSATION

PROJECT: Banting Elementary Site TIME: 9:30 AM  
DATE: 7/11/11 PHONE #: 262-548-7863  
CALL TO/FROM: Register of Deeds  
OF: Waukesha County  
RE: Deed and CSM/Plat Map for Parcel # 1006981001

#### NOTES:

AWH spoke with a representative of the Register of Deeds office and requested a search for the most recent deed and CSM/plat map (if available) for the Banting Elementary School at 2019 Butler Drive, Waukesha, WI (parcel # 1006981001). She mentioned the deed was online under document # 2141547 – so I purchased the deed online while she looked to see if there was a CSM or plat map for the property. \*She mentioned there were plat maps and/or CSMs for the properties surrounding the subject property, but nothing for the property itself. I thanked her for her time.

TO DO: Provide deed and this phone convo log to Rob Langdon.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

COPY TO: Rob Langdon  
\_\_\_\_\_

\_\_\_\_\_ How Many \_\_\_\_\_ Notebook \_\_\_\_\_ File \_\_\_\_\_ PECFA  
Angela Wilcox-Hull

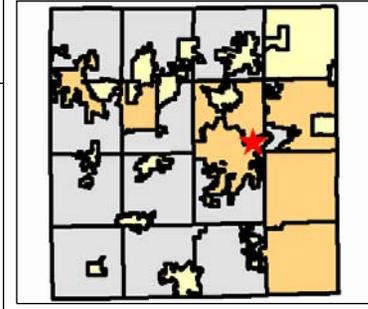
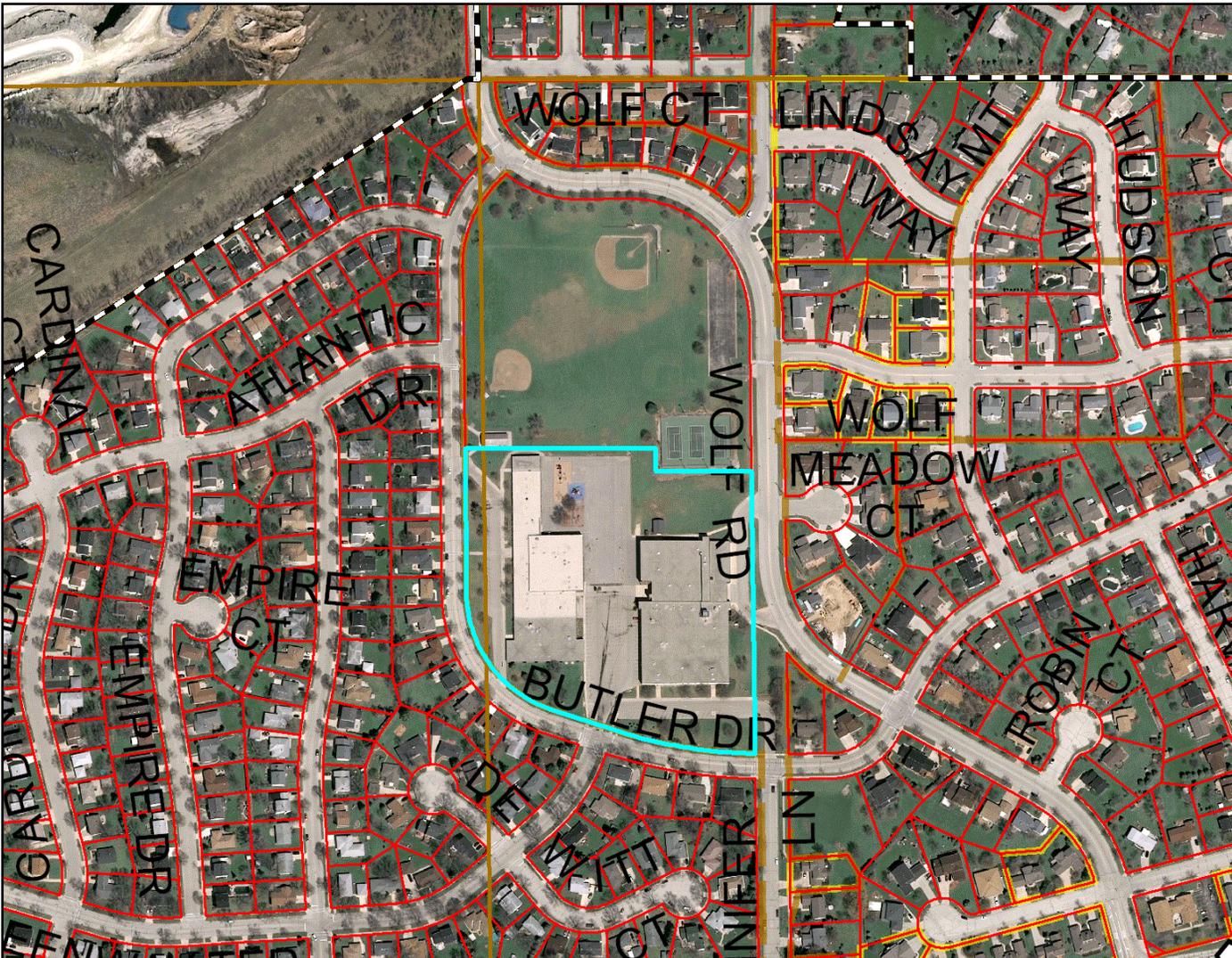
NAME/SIGNATURE: \_\_\_\_\_

I:\4096\Reports\Site Investigation Case Closure\Deed and Parcel Map\ROD\_Deed and CSM Plat Map Search\_ph log\_110711.doc





# 2019 Butler Drive, Waukesha, WI



## Legend

- Street Centerlines (Basemap)
- Road Classification
  - County
  - Interstate
  - Interstate Ramp
  - State
  - State Ramp
  - US
  - US Ramp
- Civil Division Boundaries
  - Surrounding Counties
  - PLSS Section Lines
  - PLSS Quarter Section Lines
- Parcels
  - Shared Interest Parcels
  - Assessor Plat
  - Condo Plat
  - CSM
  - Subdivision Plat
- Lakes and Rivers
  - Streams and Creeks
- Waukesha County 2007
  - RGB
    - Red: Band\_1
    - Green: Band\_2
    - Blue: Band\_3



The information and depictions found on this site are for informational purposes only and Waukesha County specifically disclaims accuracy in this reproduction and specifically admonishes and advises that if specific and precise accuracy is required, the same should be determined by procurement of certified maps, surveys, plats, Flood Insurance Studies, or other official means. Waukesha County will not be responsible for any damages which result from third party use of the information and depictions herein or for use which ignores this warning.



Glen Norder  
Director of Facilities

Service Building

707 W College Avenue,  
Waukesha, WI 53186

☎ 262.970.4311  
(C) 262.853.2714  
(F) 262.970.4320

July 11, 2011

To: Wisconsin Department of Natural Resources:

Re: Statement that all Legal Descriptions for Properties within the  
Contaminated Site Boundaries have been Included  
Banting Elementary School  
2019 Butler Drive  
Waukesha, Wisconsin  
BRRTS #03-68-001364

To Whom It May Concern:

To the best of my knowledge, I believe that with the submittal of the included property information, the legal description for all of the properties within, or partially within the contaminated site's boundaries have been submitted with the case closure request.

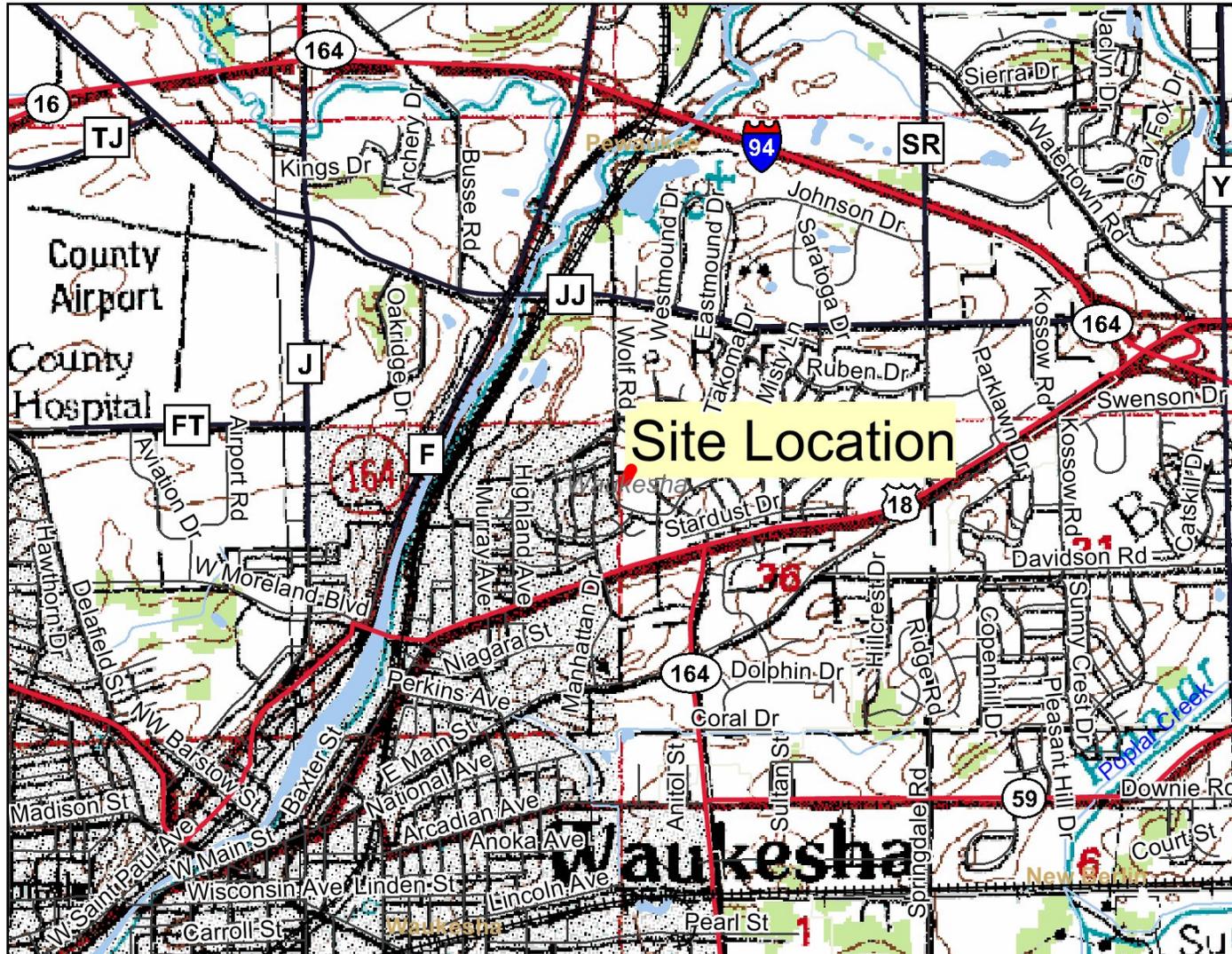
Sincerely,

SCHOOL DISTRICT OF WAUKESHA

A handwritten signature in cursive script that reads 'Glen Norder'.

Glen Norder  
Director of Facilities  
262-970-4311

# Banting Elementary 03-68-001364



- ### Legend
- County Boundary
  - Railroads
  - County Roads (WDOT)
  - County Trunk Highway
  - 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 3500 7000 10500 ft.

Map created on Sep 27, 2011

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



Scale: 1:34,999

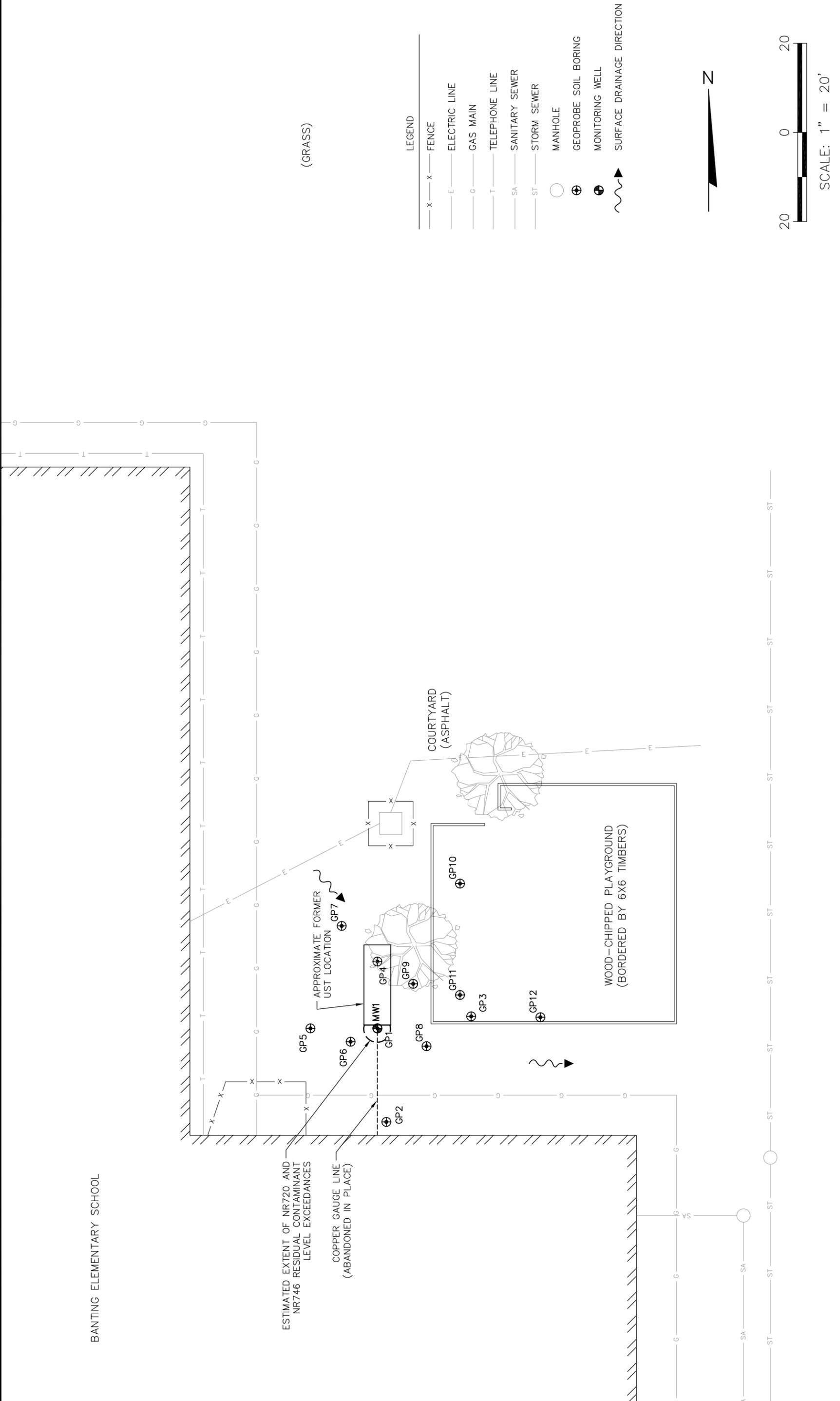
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

BANTING ELEMENTARY SCHOOL

ESTIMATED EXTENT OF NR720 AND NR746 RESIDUAL CONTAMINANT LEVEL EXCEEDANCES

COPPER GAUGE LINE (ABANDONED IN PLACE)

(GRASS)



LEGEND

- X — FENCE
- E — ELECTRIC LINE
- G — GAS MAIN
- T — TELEPHONE LINE
- SA — SANITARY SEWER
- ST — STORM SEWER
- — MANHOLE
- ⊕ — GEOPROBE SOIL BORING
- ⊕ — MONITORING WELL
- ~> — SURFACE DRAINAGE DIRECTION



SCALE: 1" = 20'

PROJECT NO. 4096	DRAWN BY: KP	ENGINEER	CLIENT	SITE	SITE PLAN	FIGURE
DRAWN: 08/26/10	CHECKED BY: TM		WAUKESHA SCHOOL DISTRICT 707 W. COLLEGE AVENUE WAUKESHA, WI 53186			D-2
REVISED: 07/08/11	APPROVED BY: RL 08/11/11					

**SCS BT SQUARED**  
 2830 DAIRY DRIVE MADISON, WI 53718-6751  
 PHONE: (608) 224-2830

I:\4096\Drawings-General\SITE.dwg, 8/11/2011 1:50:48 PM

BANTING ELEMENTARY SCHOOL

COPPER GAUGE LINE  
(ABANDONED IN PLACE)

APPROXIMATE FORMER  
UST LOCATION GP7

COURTYARD  
(ASPHALT)

WOOD-CHIPPED PLAYGROUND  
(BORDERED BY 6X6 TIMBERS)

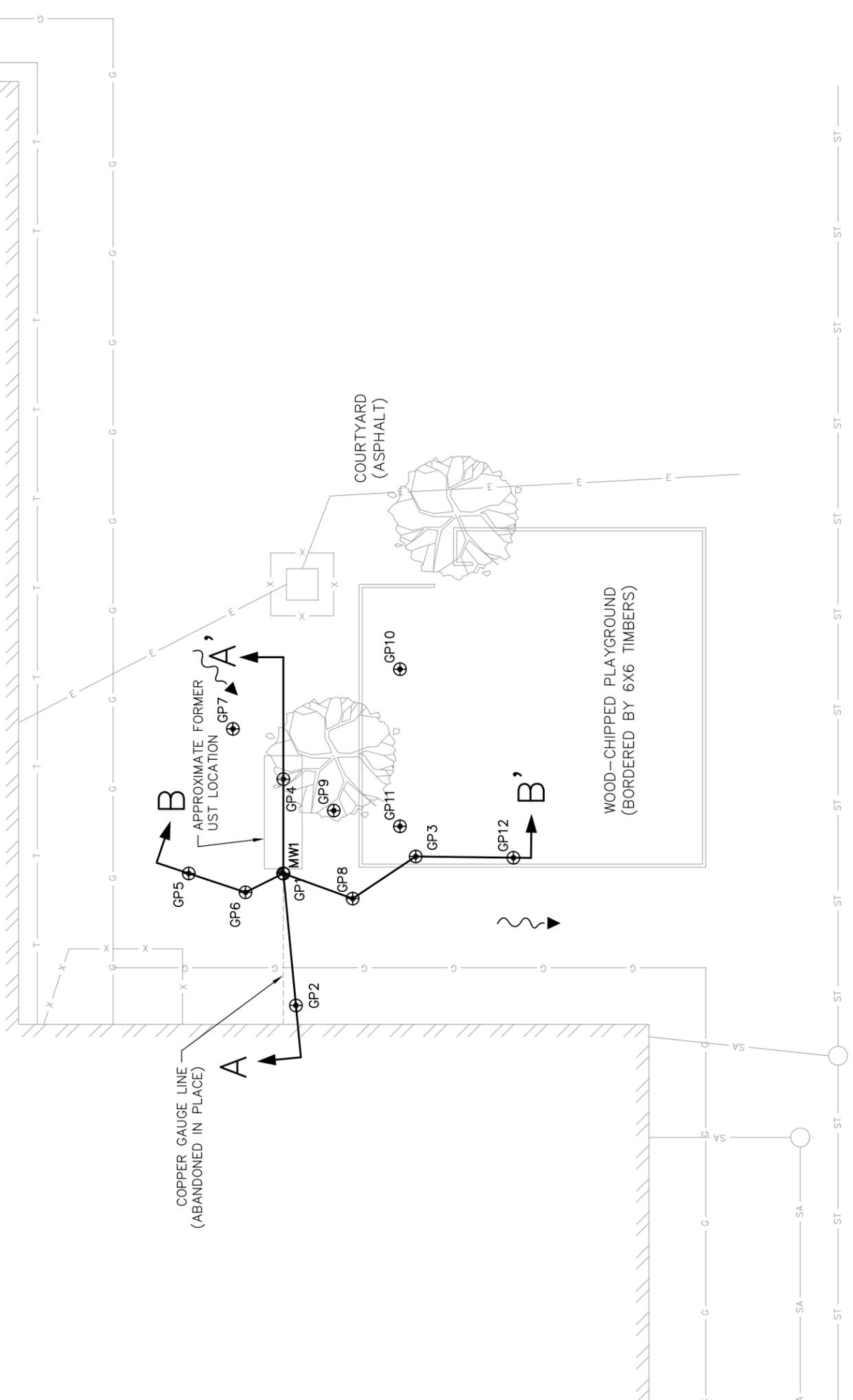
(GRASS)

LEGEND

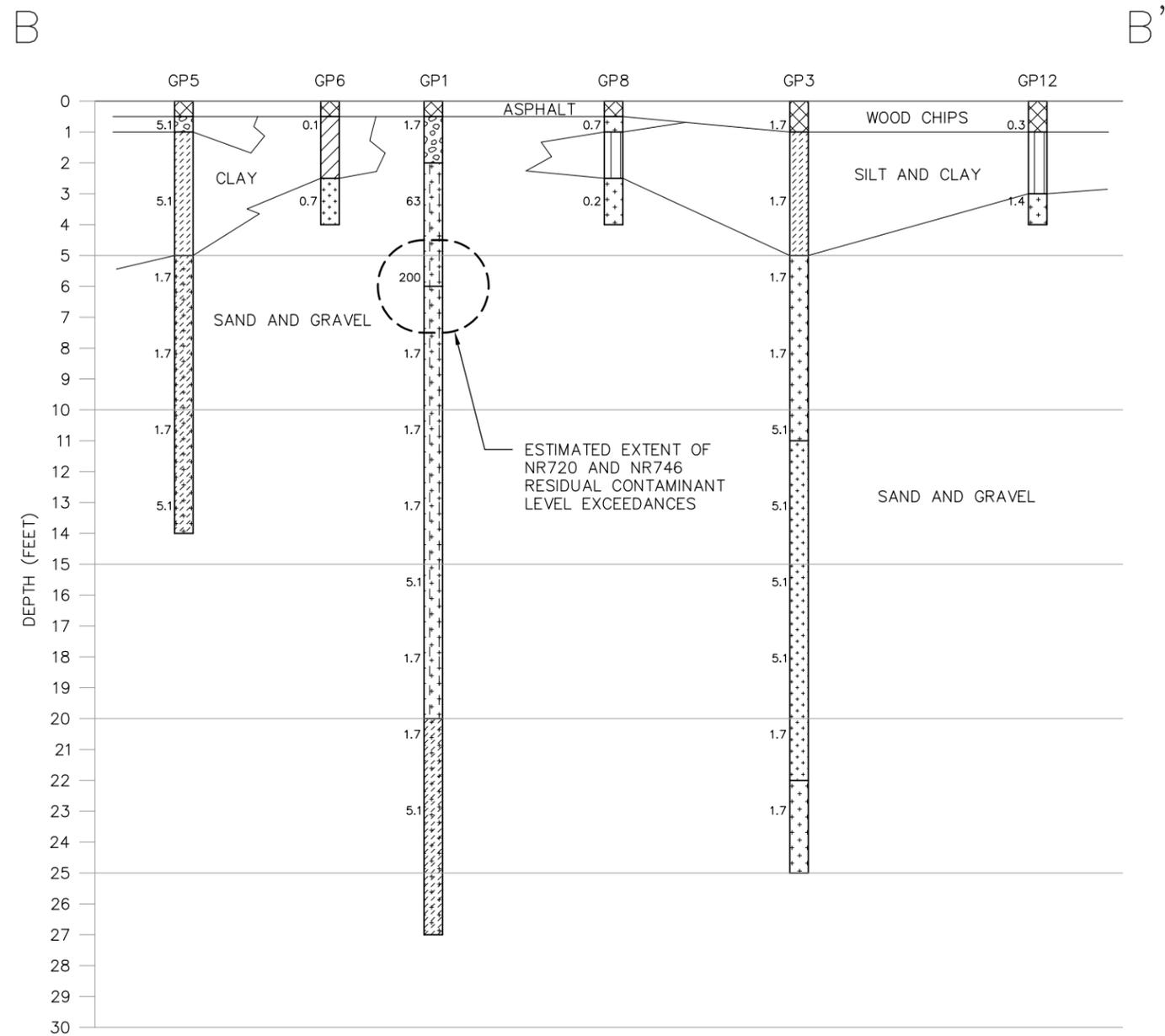
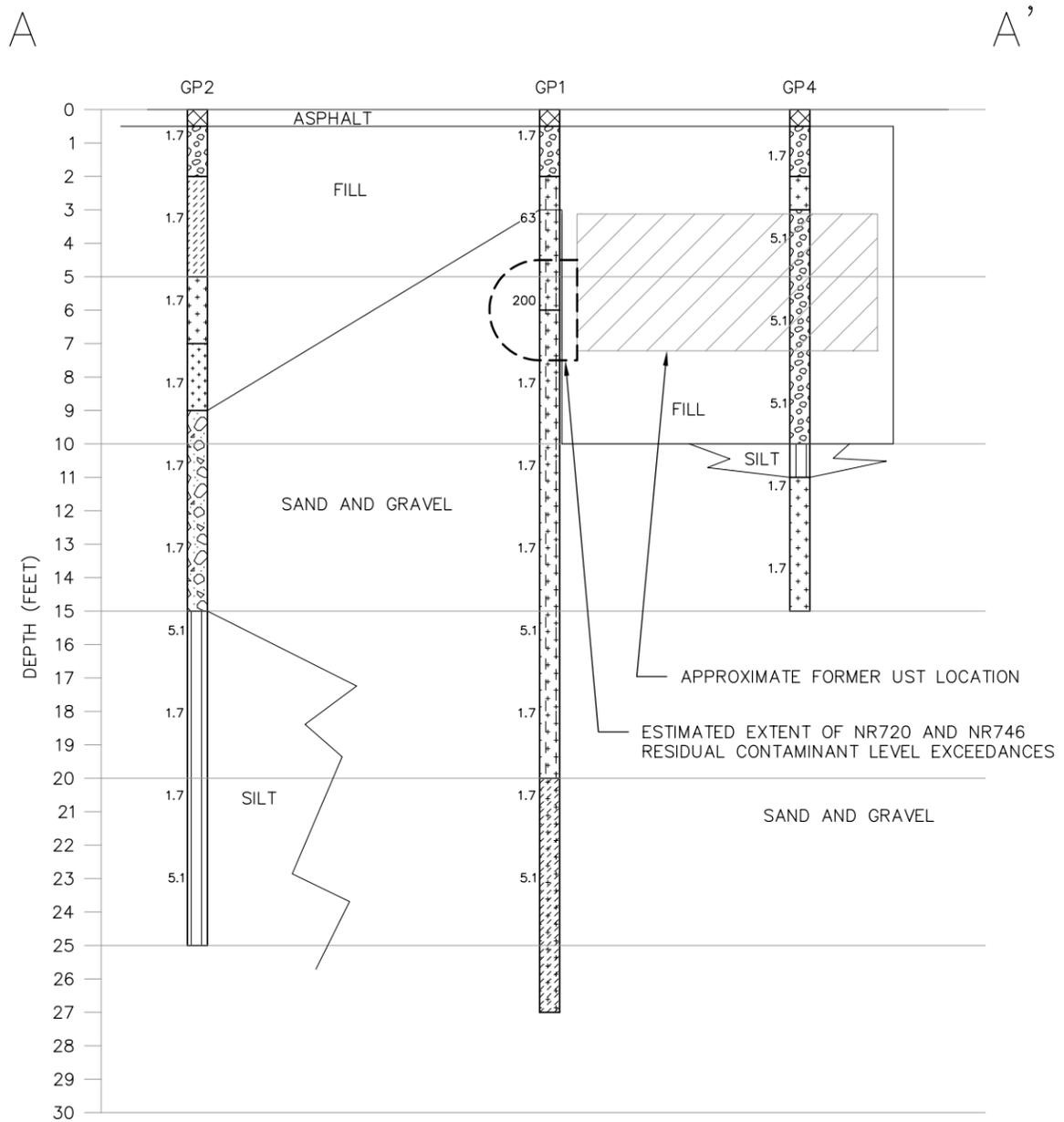
- X — X — FENCE
- E — — — — — ELECTRIC LINE
- G — — — — — GAS MAIN
- T — — — — — TELEPHONE LINE
- SA — — — — — SANITARY SEWER
- ST — — — — — STORM SEWER
- — — — — — MANHOLE
- ⊕ — — — — — GEOPROBE SOIL BORING
- ⊕ — — — — — MONITORING WELL
- ~ — — — — — SURFACE DRAINAGE DIRECTION



SCALE: 1" = 20'

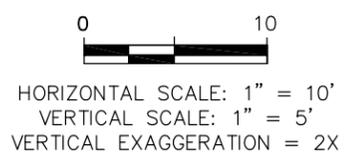


PROJECT NO. 4096	DRAWN BY: KP	ENGINEER	CLIENT	SITE	BANTING ELEMENTARY 2019 BUTLER DRIVE WAUKESHA, WISCONSIN	FIGURE D-3
DRAWN: 08/26/10	CHECKED BY: TM		WAUKESHA SCHOOL DISTRICT 707 W. COLLEGE AVENUE WAUKESHA, WI 53186			
REVISED: 05/16/11	APPROVED BY: REL 7/21/11		<b>SCS BT SQUARED</b> 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830			



**LEGEND**

	NON-GEOLOGIC MATERIAL		FAT CLAY (CH)
	SAND, WELL GRADED, LITTLE OR NO FINES (SW)		GRAVEL, POORLY GRADED, LITTLE OR NO FINES (GP)
	SAND, POORLY GRADED, LITTLE OR NO FINES (SP)		GRAVEL, WELL GRADED, LITTLE OR NO FINES (GW)
	SILT (ML)		SILTY SAND (SW-SM)
	LEAN CLAY (CL)		CLAYEY SAND (SW-SC)
25	PHOTO-IONIZATION DETECTOR READING		



PROJECT NO. 4096	DRAWN BY: KP	<b>SCS BT SQUARED</b> 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT: WAUKESHA SCHOOL DISTRICT 707 W. COLLEGE AVENUE WAUKESHA, WI 53186	SITE: BANTING ELEMENTARY 2019 BUTLER DRIVE WAUKESHA, WISCONSIN	FIGURE: D-4
DRAWN: 06/09/11	CHECKED BY: TM		ENGINEER: RL 08/11/11	GEOLOGIC CROSS SECTIONS	
REVISED: 07/08/11	APPROVED BY:				

**Table D-5**  
**Soil Analytical Results Summary - PVOCs**  
**Banting Elementary / BT Squared Project #4096**  
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Other VOCs
GP1-S3	12/30/2010	5-7.5	200	--	<b>290</b>	2,800	<b>2,400</b>	<b>11,000</b>	13,000	2,900	<260	NA
GP1-S4	12/30/2010	7.5-10	1.7	--	<26	<26	<26	<78	<26	<26	<26	NA
GP2-S4	12/30/2010	7.5-10	1.7	--	<26	<26	<26	<77	<26	<26	<26	NA
GP2-S7	12/30/2010	15-17.5	5.1	--	<28	<28	<28	<84	<28	<28	<28	NA
GP2-S10	12/30/2010	22.5-25	5.1	--	<28	<28	<28	<83	<28	<28	<28	NA
GP3-S6	12/30/2010	12.5-15	5.1	--	<26	<26	<26	<77	<26	<26	<26	NA
GP3-S9	12/30/2010	20-22.5	1.7	--	<26	<26	<26	<78	<26	<26	<26	NA
GP4-S6	12/30/2010	12.5-15	1.7	--	<26	<26	<26	<79	<26	<26	<26	NA
GP5-S2	12/30/2010	2.5-5	5.1	--	<28	<28	<28	<84	<28	<28	<28	NA
GP5-S6	12/30/2010	12-14	5.1	--	<26	<26	<26	<79	<26	<26	<26	NA
GP6-S2	4/28/2011	2-4	0.7	--	<28	<28	<28	<85	<28	<28	<28	NA
GP7-S1	4/28/2011	1-2	0.2	--	<30	<30	<30	<90	<30	<30	<30	NA
GP8-S1	4/28/2011	1-2	0.7	--	<31	<31	<31	<93	<31	<31	<31	NA
GP9-S2	4/28/2011	2-4	1.3	--	<29	<29	<29	<88	<29	<29	<29	NA
GP10-S2	4/28/2011	2-4	0.7	--	<31	<31	<31	<94	<31	<31	<31	NA
GP11-S1	4/28/2011	0-2	0.9	--	<31	<31	<31	<94	<31	<31	<31	NA
GP12-S2	4/28/2011	2-4	1.4	--	<29	<29	<29	<86	<29	<29	<29	NA
MW1	4/28/2011	2-4	0.5	--	<28	<28	<28	<84	<28	<28	<28	NA

**Table D-5**  
**Soil Analytical Results Summary - PVOCs**  
**Banting Elementary / BT Squared Project #4096**  
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	Benzene	Ethylbenzene	Toluene	Xylenes	1,2,4-TMB	1,3,5-TMB	MTBE	Other VOCs
MeOH Blank	12/30/2010	--	--	--	<25	<25	<25	<75	<25	<25	<25	NA
	4/28/2011	--	--	--	<25	<25	<25	<75	<25	<25	<25	NA
NR 720 Residual Contaminant Level (RCL)					5.5	2,900	1,500	4,100	NE	NE	NE	
NR 746 Table 1					8,500	4,600	38,000	42,000	83,000	11,000	NE	
NR 746 Table 2					1,100	NE	NE	NE	NE	NE	NE	

**ABBREVIATIONS:**

µg/kg = micrograms per kilogram or parts per billion (ppb)  
ppm = PID measured in ppm as isobutylene  
TMB = Trimethylbenzene  
-- = Not Applicable

PVOCs = Petroleum Volatile Organic Compounds  
VOCs = Volatile Organic Compounds  
NA = Not Analyzed

PID = Photo-Ionization Detector  
MTBE = Methyl-tert-butyl ether  
NE = Not Established

**NOTES:**

**Bold+underlined** values exceed NR 720 RCLs.

NR 720 RCL - Wisconsin Administrative Code (WAC), Chapter NR 720 Residual Contaminant Level.

NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.

NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.

**LABORATORY NOTES/QUALIFIERS:**

None

Created by: LMH Date: 2/4/2011  
Last revision by: LMH Date: 5/13/2011  
Checked by: REL Date: 7/20/2011

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**Table D-6**  
**Soil Analytical Results Summary - PAHs**  
**Banting Elementary / BT Squared Project #4096**  
(Results are in µg/kg, except where noted otherwise)

Sample	Date	Depth (feet)	Lab Notes	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(ghi)perylene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methyl-naphthalene	2-Methyl-naphthalene	Naphthalene	Phenanthrene	Pyrene
GP1-S3	12/30/2010	5-7.5	(1)	990	<1,300	3,500	6,700	260	130	320	210	6,700	430	20,000	8,800	270	33,000	58,000	19,000	14,000	8,600
GP1-S4	12/30/2010	7.5-10	--	<52	<89	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<7.8	<10	<10	<5.2	<31	<31	<31	<5.2	<5.2
GP2-S4	12/30/2010	7.5-10	--	<51	<87	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<5.1	<7.7	<10	<10	<5.1	<31	<31	<31	<5.1	<5.1
GP2-S7	12/30/2010	15-17.5	--	<56	<95	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<8.4	<11	<11	<5.6	<34	<34	<34	<5.6	<5.6
GP2-S10	12/30/2010	22.5-25	--	<55	<93	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<8.2	<11	<11	<5.5	<33	<33	<33	<5.5	<5.5
GP3-S6	12/30/2010	12.5-15	--	<49	<84	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<4.9	<7.4	<9.8	<9.8	<4.9	<30	<30	<30	<4.9	<4.9
GP3-S9	12/30/2010	20-22.5	--	<52	<89	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<7.8	<10	<10	<5.2	<31	<31	<31	<5.2	<5.2
GP4-S6	12/30/2010	12.5-15	--	<53	<90	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<7.9	<11	<11	<5.3	<32	<32	<32	<5.3	<5.3
GP5-S2	12/30/2010	2.5-5	--	<56	<95	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<8.4	<11	<11	<5.6	<34	<34	<34	<5.6	<5.6
GP5-S6	12/30/2010	12-14	--	<53	<90	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<7.9	<11	<11	<5.3	<32	<32	<32	<5.3	<5.3
GP6-S2	4/28/2011	2-4	--	<47.7	<47.7	<19.3	<19.3	<19.3	<19.3	<19.3	<19.3	<19.3	<19.3	<19.3	<39.8	<19.3	<47.7	<47.7	<19.3	<19.3	<47.7
GP7-S1	4/28/2011	1-2	--	<50.3	<50.3	<20.3	<20.3	<20.3	<20.3	<20.3	<20.3	<20.3	<20.3	<20.3	<41.9	<20.3	<50.3	<50.3	<20.3	<20.3	<50.3
GP8-S1	4/28/2011	1-2	--	<52.1	<52.1	<21.1	<21.1	<21.1	<21.1	<21.1	<21.1	<21.1	<21.1	<21.1	<43.4	<21.1	<52.1	<52.1	<21.1	<21.1	<52.1
GP9-S2	4/28/2011	2-4	--	<49.2	<49.2	<19.9	<19.9	<19.9	<19.9	<19.9	<19.9	<19.9	<19.9	<19.9	<41.0	<19.9	<49.2	<49.2	<19.9	<19.9	<49.2
GP10-S2	4/28/2011	2-4	--	<52.9	<52.9	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<44.1	<21.4	<52.9	<52.9	<21.4	<21.4	<52.9
GP11-S1	4/28/2011	0-2	--	<52.8	<52.8	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<21.4	<44.0	<21.4	<52.8	<52.8	<21.4	<21.4	<52.8
GP12-S2	4/28/2011	2-4	--	<48.0	<48.0	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<19.4	<40.0	<19.4	<48.0	<48.0	<19.4	<19.4	<48.0
MW1	4/28/2011	2-4	--	<47.0	<47.0	<19.0	<19.0	<19.0	<19.0	<19.0	<19.0	<19.0	<19.0	<19.0	<39.2	<19.0	<47.0	<47.0	<19.0	<19.0	<47.0
WDNR PAH Soil Generic Residual Contaminant Levels (RCLs) (Interim Guidance - April 1997)																					
Groundwater Pathway				38,000	700	3,000,000	17,000	360,000	870,000	48,000	6,800,000	37,000	38,000	500,000	100,000	680,000	23,000	20,000	400	1,800	8,700,000
Non-Industrial Direct Contact				900,000	18,000	5,000,000	88	88	880	8.8	1,800	8,800	8.8	600,000	600,000	88	1,100,000	600,000	20,000	18,000	500,000
Industrial Direct Contact				60,000,000	360,000	300,000,000	3,900	3,900	39,000	390	39,000	390,000	390	40,000,000	40,000,000	3,900	70,000,000	40,000,000	110,000	390,000	30,000,000

**ABBREVIATIONS:**

µg/kg = micrograms per kilogram or parts per billion (ppb)  
PAHs = Polynuclear Aromatic Hydrocarbons

-- = Not Applicable  
WDNR = Wisconsin Department of Natural Resources

**NOTES:**

None

**LABORATORY NOTES/QUALIFIERS:**

(1) Surr: 2-Fluorobiphenyl (61-128%) analysis - The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Created by: LMH Date: 2/4/2011  
Last revision by: LMH Date: 5/13/2011  
Checked by: REL Date: 7/20/2011

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**Table A-1**  
**Water Level Summary**  
**Banting Elementary School / BT Squared Project #4096**  
**Waukesha, Wisconsin**

<b>Raw Data</b>		<b>Depth to Water in feet below top of well casing</b>	
		<b>MW1</b>	
<b>Measurement Date</b>			
May 11, 2011		19.41	

<b>Ground Water Elevation in feet above mean sea level (amsl)</b>	
<b>Well Number</b>	<b>MW1</b>
<b>Top of Casing Elevation (feet amsl)</b>	880.00
<b>Screen Length (ft)</b>	10.00
<b>Total Depth (ft from top of casing)</b>	28.90
<b>Top of Well Screen Elevation (ft)</b>	861.10
<b>Measurement Date</b>	
May 11, 2011	
<b>Bottom of Well Elevation (ft)</b>	851.10

Created by: REL 7/06/2011

Checked by: REL 7/20/2011

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