GIS REGISTRY
Cover Sheet

August 2011
(RR-5367)

Source Property Information

CLOSURE DATE: Aug 31, 2011

BRRTS #: 02-30-552832

FID #: 230196560

ACTIVITY NAME: Brass School - Former Outokumpu

DATCP #:

PROPERTY ADDRESS: 6400 15th Street

PECFA#:

MUNICIPALITY: Kenosha

PARCEL ID #: 05-123-06-277-006

***WTM COORDINATES:**

X: 698109 Y: 236049

** 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)

Contaminated Media:

☒ Groundwater Contamination > ES *(236)*

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

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

- ☐ Contamination in ROW
- ☐ Off-Source Contamination

*(**note:** for list of off-source properties see "Impacted Off-Source Property" form)*

Land Use Controls:

- ☐ N/A (*Not Applicable*)
- ☐ 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)*

*(**note:** maintenance plan for groundwater or direct contact)*

- ☒ 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*

GIS Registry Checklist

his 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 #: 02-30-552832 PARCEL ID #: 05-123-06-277-006

ACTIVITY NAME: The Brass School Site WTM COORDINATES: X: 698109 Y: 236049

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.)*

~~☒ **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: Survey Map Provided in Purchase Contract**

☒ **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 8.5 x 14 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 #: 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 #: 2, 3 **Title: Former OCK Parcels & School Site, Site Configuration Map**

☒ **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 #: 4, 5 **Title: Pre-Remedial Metals and PAHs, Pre-Remedial VOCs**

BRRTS #: 02-30-552832 ACTIVITY NAME: The Brass School Site

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 #: 6 **Title: Pre-Remedial Geological Cross-Section A-A'**

Figure #: **Title:**

☐ **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 then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: 7 **Title: Pre-Remedial Groundwater Sampling Locations and Flow Direction**

Figure #: **Title:**

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

Tables must be no larger than 8.5 x 14 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 #: 1 **Title: Soil Sample Analytical Results Summary**

☒ **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 #: 3 **Title: Groundwater Sample Analytical Results Summary**

☒ **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 #: 2-1 **Title: Summary of Groundwater Level Measurements for Monitoring Wells (7/2002 to Present)**

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 #: 02-30-552832 ACTIVITY NAME: The Brass School Site

NOTIFICATIONS

Source Property

☐ **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.

☐ **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 NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8716
TTY 414-263-8713

August 31, 2011

Mr. Patrick Finnemore
Kenosha Unified School District
3600 52nd Street
Kenosha, WI 53144-2697

File Ref: FID#230196560
BRRTS#02-30-552832

SUBJECT: Final Case Closure with Continuing Obligations
Brass School – Former Outokumpu, 6400 15th Avenue, Kenosha, WI

Dear Mr. Finnemore:

On February 2, 2010, the Southeast Region Closure Committee reviewed the above referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On February 16, 2010, you were notified that case closure documentation revisions were needed for this case. On March 17, 2010, the Department received the requested case closure documentation revisions.

The Brass School was constructed on the site of the former Outokumpu Copper manufacturing plant, where, based on the site investigation work conducted by the School District and others, lead, arsenic, polynuclear aromatic hydrocarbons and volatile organic compounds associated with the former site usage were found in soil. Only minor impacts were identified in groundwater in this area, which levels do not pose an exposure risk. The remedial options analyses conducted for this development, determined that the main exposure risks associated with the soil contamination would be long term direct contact exposure through soil ingestion or soil vapor inhalation. The school project development incorporated direct contact barrier features, including the building and paved areas, and imported soil cover over landscaped areas to prevent incidental or intentional ingestion of contaminated soil. Vapor barrier features and a sub-slab depressurization system were incorporated into the building design and construction to interrupt and prevent exposure within the building to any contaminated soil vapor that may be related to subsurface soil contaminants. Long term maintenance of these remedial features will be necessary after case closure, to ensure the continued protection they provide for the potential direct contact pathways. On August 25, 2011, the Department conducted a site visit and confirmed that the site barrier is in good condition, the vapor mitigation system appears to be functioning as intended, and your inspection procedures for these remedial features are appropriate.

Based on the correspondence and data provided, it appears that your case meets the closure requirements in ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time. However, you and future property owners must comply with certain continuing obligations as explained in this letter.

GIS Registry

This site will be listed on the Remediation and Redevelopment Program's internet accessible GIS Registry, to provide notice of residual contamination, and of any continuing obligations. The continuing obligations for this site are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed
- Pavement, an engineered cover or a soil barrier must be maintained over contaminated soil and the state must approve any changes to this barrier
- Groundwater contamination is present above Chapter NR 140 enforcement standards
- A vapor mitigation system must be operated and maintained, and inspections must be documented

All site information, including the maintenance plan, is on file at the Southeast Regional DNR office, at 2300 N. Dr. Martin Luther King, Jr., Drive, Milwaukee. This letter and information that was submitted with your closure request application, including the maintenance plan, will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm. If the property is listed on the GIS Registry because of remaining contamination and you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line http://dnr.wi.gov/org/water/dwg/3300254.pdf or at the web address listed above for the GIS Registry.

Closure Conditions

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which the School District and any subsequent property owners must adhere. You must pass on both the information about these continuing obligations and the maintenance plan to the next property owner or owners. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department 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 or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. The Department intends to conduct inspections in the future to ensure that the conditions included in this letter, including compliance with attached maintenance plans, are met.

Cover or Barrier

Pursuant to s. 292.12(2)(a), Wis. Stats., the pavement, building foundation and soil cover that currently exists in the locations shown on the attached map (Case Closure Request – Figure 3) shall be maintained in compliance with the attached maintenance plan in order to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. Soil contamination remains across the site, as shown on the additional attached maps (Case Closure Request – Figures 4 and 5) and in information submitted to the Department of Natural Resources. If soil from the property beneath the direct contact barrier is excavated in the future, 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 is 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.

The attached maintenance plan and inspection log are to be kept up-to-date and on-site. Please submit the inspection log to the Department annually.

Prohibited Activities

The following activities are prohibited on any portion of the property where pavement, a building foundation, soil cover, engineered cap or other barrier is required as shown on the attached map (Case Closure Request – Figure 3), 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; 6) construction or placement of a building or other structure.

Operation and Maintenance of the Vapor Mitigation System

Soil vapor beneath the building contains trichloroethylene, methylene chloride and benzene at levels that could pose a risk to human health with long-term exposure, if allowed to migrate into an occupied building on the property. The vapor mitigation system should be run and inspected in accordance with the attached maintenance plan. Quarterly inspections, and any system repairs, must be documented in the inspection log. A copy of the inspection log must be submitted to the Department on an annual basis, beginning one year from the date of this letter.

Residual Groundwater Contamination

Groundwater impacted by chrysene and vinyl chloride contamination greater than enforcement standards set forth in ch. NR140, Wis. Adm. Code, is present on this contaminated property. For more detailed information regarding the locations where groundwater samples have been collected (i.e., monitoring well locations) and the associated contaminant concentrations, refer to the Remediation and Redevelopment Program's GIS Registry at the RR Sites Map page at http://dnr.wi.gov/org/aw/rr/gis/index.htm.

Vapor Migration

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration of contaminants into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and means of mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Dewatering Permits

The Department's Watershed Management 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.

Based on the concentrations of contaminants remaining in groundwater at this location, it appears likely that dewatering activities would require a permit from the Watershed Management Program. 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://www.dnr.state.wi.us/org/water/wm/ww/

Chapter NR 140, Wis. Adm. Code Exemption

Recent groundwater monitoring data at this site indicates exceedances of the ch. NR 140, Wis. Adm. Code, enforcement standard for iron and manganese at MW-112 and MW-9. The Department may grant an exemption for a substance of public welfare concern, or nitrate, pursuant to ss. NR 140.28(2)(a), (3)(a) and (4)(a), Wis. Adm. Code, if actions have been taken to achieve the lowest possible concentration for that substance which is technically and economically feasible and the existing or anticipated increase in the concentration of that substance does not present a threat to public health or welfare.

Based on the information you provided, the Department believes that the criteria for an exemption have been or will be met, based on the remedial actions that have been taken, including site grading and capping. Therefore, pursuant to s. NR 140.28, Wis. Adm. Code, an exemption to the enforcement standard is granted for iron and manganese at MW-11 and MW-112. Please keep this letter, because it serves as your exemption.

Post-Closure Notification Requirements

In accordance with ss, 292.12 and 292.13, Wis. Stats., you must notify the Department before making changes that affect or relate to the conditions of closure in this letter. For this case, examples of changed conditions requiring prior notification include, but are not limited to:

- Disturbance, construction on, change or removal in whole or part of pavement, an engineered cover or a soil barrier that must be maintained over contaminated soil
- Discontinuing operation and maintenance or making changes to the soil vapor mitigation system

Please send written notifications in accordance with the above requirements to the Southeast Region Remediation & Redevelopment Program, to the attention of the Environmental Program Associate.

The Department 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 Pam Mylotta at 414-263-8758.

Sincerely,

James A. Schmidt

James A. Schmidt, Team Supervisor
Southeast Region Remediation & Redevelopment Program

Attachments: Case Closure Request – Figure 3: "Site Configuration and Final Site Surface Map"
Case Closure Request – Figure 4: "Pre-Remedial Metals and PAH Direct Contact RCL Exceedances, 0 – 4 Foot Depth"
Case Closure Request – Figure 5: "Pre-Remedial VOCs in Soil"
"Site Maintenance Plan, The Brass Community School Site", March 2010

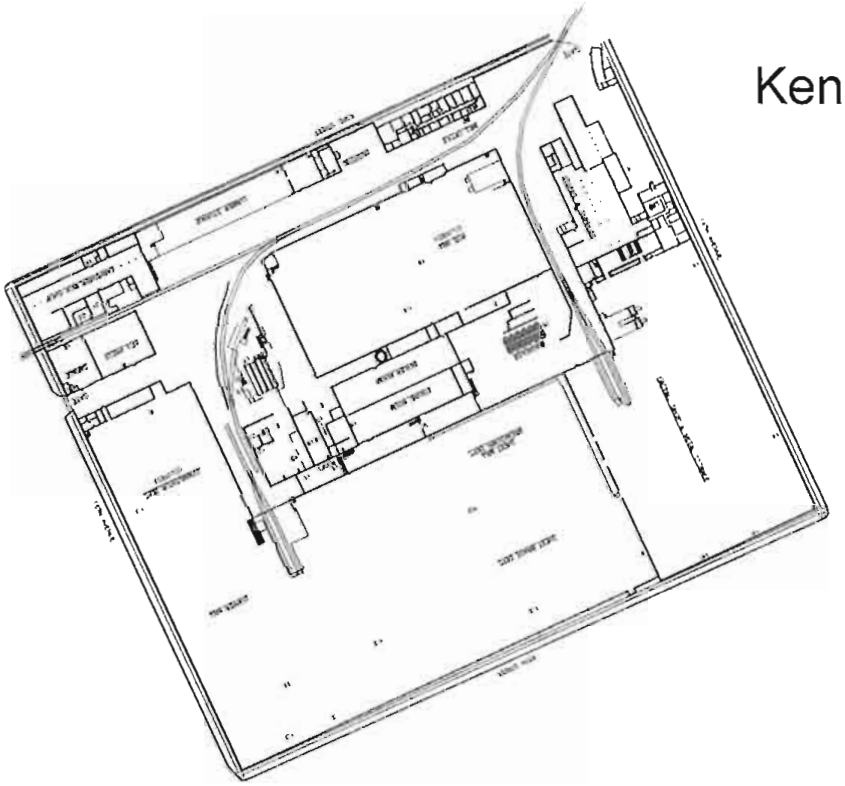
cc: Sean Cranley – ChemReport, Inc. – electronic copy
Bill Phelps, DG/5 – electronic copy – letter only

ChemReport®
Environmental & Safety Engineers

Site Maintenance Plan

The Brass Community School Site

Project No.: 010406-1
March 2010



Prepared For:
Kenosha Unified School District
Kenosha • Wisconsin

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Site Maintenance Plan

The Brass Community School Site
(Portion of Former Outokumpu Copper Kenosha Eastern Parcel)
6400 15th Avenue
Kenosha, Wisconsin
BRRTS# 02-30-552832
FID#: 230196560

1.0 EXECUTIVE SUMMARY

This Site Maintenance Plan describes the measures taken at the above-referenced site to prevent exposure to contamination present in the subsurface at the site. These measures include the construction of a site surface cap to isolate contaminated soil in the subsurface as well as the installation and operation of a vapor mitigation system which includes a vapor barrier and active venting system (vapor mitigation system) to prevent potential contaminant vapors in the subsurface from entering the school building through the foundation. Inspection and maintenance activities are described herein are required to ensure that these protective measures remain effective.

The Environmental Services Workers, Custodial Staff and Grounds Crew assigned to the Brass School will be trained in the elements of this plan and will notify the Maintenance & Environmental Supervisor in the event that conditions are observed that may lead to exposure to subsurface contamination, such as breaches in the site cap or failure of the venting system.

The Environmental Services Workers will conduct and document quarterly inspections of the venting system and annual inspections of the site cap on the inspection log forms and provide copies of those logs to the Maintenance & Environmental Supervisor. The Maintenance & Environmental Supervisor will prepare and submit an annual inspection report for the venting system to the Wisconsin Department of Natural Resources (WDNR). In addition, major breaches of the site cap, planned venting system shutdowns or consecutive quarters of failure of venting system components require notification of the WDNR.

Compliance with the provisions of this Plan is mandatory. The Plan can be amended or withdrawn only with written approval by the WDNR. In the event of problems with the site cap or vapor mitigation system or questions regarding this Plan, please contact the following:

Kevin Barlow-Christoun Maintenance & Environmental Supervisor
Email: kchristo@kusd.edu
(262) 653-6103

Patrick Finnemore Director of Facilities
Email: pfinnemo@kusd.edu
Phone: (262) 359-7757

2.0 SITE BACKGROUND INFORMATION

This document is the Site Maintenance Plan for a site cap to prevent direct contact exposure to subsurface contamination and for an active venting system to prevent exposure through volatile organic vapor intrusion of the school building at the above-referenced property in accordance with the requirements of Chapter NR 724.13(2), Wisconsin Administrative Code. Conformance with the elements of this plan is required by the WDNR as part of the conditional site closure. Copies of this plan will be kept in the Brass Community School Head Custodian's office, the Environmental Services Workers's office and in the office of the KUSD Maintenance & Environmental Supervisor at District Headquarters.

The maintenance activities relate to the site cap, comprised of the site building as well as concrete and asphalt drives and parking areas which in aggregate cover the entire property which is considered to constitute the zone of subsurface contamination. In addition, the maintenance activities pertain to the vapor mitigation system, which includes a vapor barrier and active venting system installed beneath the foundation floor slab and within the building. Figures illustrating site conditions and features pertinent to this maintenance plan are provided in Appendix A. Photographic documentation is provided in Appendix B.

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

- The case file in the WDNR Southeast Region, Sturtevant Service Center;
- BRRTS on the Web (WDNR's internet database of contaminated sites) http://botw.dnr.state.wi.us/botw/SetUpBasicSearchForm.do;
- Geographic Information System (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 WDNR project manager for Kenosha County.

2.1 Property Description

A part of the Northeast Quarter of Section 6, Town 1 North, Range 23 East, of the 4th Principal Meridian lying and being in the City of Kenosha, County of Kenosha, Wisconsin and being more particularly described as follows:

Commencing at the Southeast corner of Certified Survey Map #2465, a plat of record and on file at the Kenosha County Register of Deeds as Document #1424977, thence West along the South line of said CSM approximately 246 feet to a point which is the intersection of said South line and the West line, extended, of 15th Avenue and the Point of the Beginning. Thence continuing West along said South line approximately 487 feet to a point which is the intersection of said South line and the West line, extended, of 17th Avenue; thence North along the extension of the West line of 17th Avenue approximately 572 feet; thence East parallel to the South line of said CSM #2465 approximately 488 feet to a point along the West line of 15th Avenue, extended; thence South along the extension of said 15th Avenue approximately 572 feet to the South line of said CSM #2465 and the point of the beginning, containing approximately 6.5 Acres of land, more or less.

2.2 Site Contamination

The contamination identified during previous environmental activities conducted at the site by others included soil contamination and limited impacts to groundwater. Soil concentrations of arsenic, lead and polynuclear aromatic hydrocarbons (PAHs) exceeded residual contaminant levels (RCLs). Volatile organic compounds (VOCs) were also present in site soils. The school property was once part of the Former Outokumpu Copper Kenosha Eastern Parcel. Soil contamination is distributed somewhat sporadically beneath the school property and surrounding parcels. Soils beneath the site cap materials anywhere on site should be considered contaminated and treated as such. The distribution of metals and PAHs in soil exceeding direct contact RCLs is illustrated on Figure 4. The distribution of VOCs in soil is illustrated on Figure 5.

Soil contamination at the site was determined to present a threat to human health through long-term direct contact exposure. Consequently, the site redevelopment was designed to preclude this potential route of exposure and thereby eliminate the associated risk. Although considered to be an extremely remote potential occurrence due to the absence of a significant source (hotspot) in the subsurface, the site design also precluded the potential for volatile organic vapor migration into the building, thus eliminating potential risk though this avenue of exposure.

Isolated instances of PAH, and VOC constituents were identified in groundwater at the site. One VOC (vinyl chloride) exceeded the enforcement standard at one location (MW-112) on site. One PAH (chrysene) exceeded the enforcement standard at two locations (MW-11 and GP01-09). Groundwater contamination was considered minor and posed no health threat at the site due to the lack of potential for exposure. However, the site design precludes the potential for vapor migration to the building interior from subsurface soil and/or groundwater. The groundwater sampling locations are illustrated on Figure 7.

3.0 SITE CAP

3.1 Site Cap Construction

The school building with its minimum one-foot thick crushed concrete aggregate sub-base, venting system, vapor barrier and concrete floor slab provides capping for contaminated materials beneath the school.

The hard surface playground, access drives, parking areas and walkways have been capped with pavement. The pavement cap varies with location, but is at a minimum, constructed of 3 inches of bituminous pavement or 4 inches of concrete, both over a minimum of 6 inches of crushed concrete aggregate. The bus route areas are capped with 7 inches of concrete over a minimum of 6-inches of crushed concrete aggregate base.

Landscaped areas, athletic fields and the soft surface play area are capped with clean soil. The soft surface play area consists of wood chips spread on top of an 18-inch compacted clay cap.

Grass-covered and landscaped portions of the site are capped by a minimum of 3 to 6 inches of topsoil overlying 12 to 15 inches of compacted clay for a minimum total of 18 inches. The clean cap material thickness approached 3 feet over eastern portions of the athletic field on the north end of the site. The clean clay and topsoil were obtained from an off-site source. The site cap surface materials are illustrated on Figure 3. The configurations of the paved/concrete portions of the cap are illustrated in cross-sectional view on Figures 9 and 17. The photographic documentation of the cap construction is provided in Appendix B.

3.2 Site Cap Inspection

The inspection and maintenance of the site cap has been included in KUSD's CMMS maintenance program software for the school. Routine maintenance activities at the property will be conducted by the Environmental Services Workers, Grounds Crew and Custodial Staff. These activities include, but are not limited to, lawn mowing, landscaping and snow removal. Personnel performing routine maintenance activities will be made aware of the requirements associated with the property necessitating maintenance of the site cap integrity. If during the course of these routine activities a significant breach in the cap materials is discovered, the Maintenance & Environmental Supervisor will be promptly notified and repairs to the cap will be made expeditiously.

An inspection of the site cap conditions will be made annually by the District's Environmental Services Workers. The results of the inspection will be documented on the inspection log form, a copy of which will be forwarded to the Maintenance & Environmental Supervisor upon completion of the inspection and again after completion of any required repair or maintenance activities not completed during or immediately after the inspection. The Annual Site Cap Inspection Log form is provided in Appendix C.

3.3 Site Cap Maintenance

Cracks, holes and other small penetrations of paved portions of the site cap will be patched with compatible surface materials on an annual, or as needed basis by Grounds Crew Personnel. Holes or erosion features in the grassed or landscaped portions of the site cap will be filled and graded with clay, soil or other compatible earth materials as soon as practical, and reseeded.

3.4 Site Cap Excavation

Should excavation through the cap materials be necessary, good judgment will be used. Soils in unpaved areas below 1.5 feet in depth, and soils beneath the crushed aggregate layer in paved areas should be considered contaminated and treated as such. Small excavations for landscaping purposes should avoid penetration of the 1.5-foot thick clean soil cap, if possible. If soils below the 1.5 foot depth in unpaved areas or below the crushed aggregate layer are removed, they should be placed back into the bottom of the excavation and covered with 1.5 feet of clean soil or be paved.

Excavations that will result in the removal of larger amounts of soil from below 1.5 feet that cannot be placed back in the excavation or that need to be staged on site for an extended period will require practices to properly handle and/or dispose of the contaminated material. The contaminated soil must be containerized or staged on, and covered by, plastic sheeting until it can be placed back in the excavation or properly disposed. The excavations should be capped with 1.5 foot of clean, compacted soils or paved in a manner consistent with pavement cross-sections illustrated on Figure 17. Although the contaminated soil does not pose a risk to human health through short-term exposure, workers contacting the soil should be apprised by the Maintenance & Environmental Supervisor, of the presence of the contamination and directed to employ good hygiene practices to limit exposure.

The WDNR must be notified by the Maintenance & Environmental Supervisor in advance of any planned major breaches of the site cap materials.

4.0 VAPOR MITIGATION SYSTEM

4.1 Venting System & Vapor Barrier Construction

The soil venting system consists of 4-inch inner diameter corrugated high-density polyethylene (HDPE) piping that is perforated and fitted with a filtration sock to allow movement of air into the pipe, but exclude solids. The vent piping was installed into the layer of crushed concrete aggregate in the school foundation, beneath the concrete floor slab.

The venting system was constructed with interconnecting vent lines with three passive inlets (east wall) and three active outlets (west roof). The active outlet vent stacks (west) were fitted with RadonAway® RP265 exhaust fans to induce a vacuum in the sub-slab venting system. The three fans are located above the ceilings in rooms 210 and 216 and in the ground equipment closet. The fans are mounted in-line in the vent stacks with rubber flex couplers. The exhaust vents extend through the roof to a height of approximately 18-inches above the roof. The foundation, first floor and second floor exhaust stack cross-sections are illustrated in Figures 10, 11 and 13.

Each of the three vent stacks are fitted with an MU-93 "u-tube" manometer installed in-line before the fan intake to allow the visual reading of vacuum levels. The manometers are capable of displaying vacuum levels of up to four inches of water column relative to ambient atmospheric pressure inside the school building. A short length of one-eighth inch inner diameter polyethylene tubing has been installed running from the manometer into the vent stack to allow measurement of the relative vacuum levels. The tubing penetrations of the vent stacks are sealed with silicone caulk. The two manometers located in first floor classrooms 110 and 116 are accessible by panel doors installed in the framed enclosures. The manometer on the vent stack in the grounds equipment closet is located on the side of the unenclosed stack.

The vapor barrier consists of 10-mil polyethylene sheeting, installed above the venting system and directly beneath the building floor slab so as to provide an impermeable barrier. The strips of sheeting were laid out onto the surface of the crushed concrete aggregate layer, overlapping

at least 6 inches and sealed with adhesive tape. The tape had a minimum width of 6 inches and was installed in a direction parallel to the seam so as to cover and seal all seams completely. The barrier was sealed at the perimeters to the building foundation with adhesive tape and mastic. All interior columns were sealed in the same manner as the perimeter seals, such that vapor incursion is prevented. The concrete floor slab was then poured on top of the vapor barrier. The venting system/vapor barrier layout and cross-section are illustrated on Figures 8 and 9, respectively. The vapor barrier seams and seals are illustrated on Figures 13, 14 and 15.

4.2 Venting System Operation

The exhaust fans extracting air from within the existing sub-slab venting system induce a vacuum within the system relative to both ambient atmospheric pressure outdoors and air pressure in the building. It should be noted that air pressure within the building is generally expected to be slightly elevated with respect to outdoor atmospheric pressure due to the heating, ventilating and air conditioning (HVAC) system, which blows air into the building causing some pressurization. This increases the air pressure gradient away from the building interior and toward the sub-slab venting system.

The manometers in room 116 and the grounds equipment closet typically read about 1.6 inches of water column vacuum within the venting system relative to air pressure in the building interior. The manometer in room 110 reads about 1.3 inches vacuum. These readings are well within the 0 to 4-inch water column vacuum range of the manometers. The fans are capable of achieving a maximum vacuum of 2.5 inches of water column with an air flow rate that ranges from 375 cubic feet per minute (CFM) at zero inches of vacuum to 57 CFM at 2 inches vacuum. Vacuum levels in the range of 1.3 to 1.6-inches of water column indicate that the fans are operating toward the middle of their range in terms of vacuum levels. This in turn indicates air flow rates are sufficiently high to purge the venting system of potential contaminants while still being low enough to establish the desired vacuum levels and create a downward pressure gradient away from the building interior, which is the optimal operating condition for the system.

Subsurface gases cannot migrate against a downward pressure gradient. Consequently, the air pressure gradient between the higher than ambient atmospheric pressure maintained in the building interior by the HVAC system and the lower than ambient atmospheric pressure within the sub-slab venting system maintained by active venting precludes the potential for vapor migration into the building interior, even in the event that the sub-slab vapor barrier were to be breached.

4.3 Venting System Inspection

The inspection and maintenance of the venting system has been included in KUSD's CMMS maintenance program for the school. The venting system will be inspected by the Dictrict's Environmental Services Workers on a quarterly basis to ensure the fans continue to operate properly, that the rubber seals and associated piping connecting the fan to the sub-slab system and the exhaust stacks are in good condition and that the inlets and outlets remain unobstructed. During these routine inspections, readings of the u-tube manometers will also be

recorded to ensure that the system remains under a consistent vacuum. Confirmation that the fans above the ceilings in rooms 210 and 216 are running will be achieved by lifting the ceiling tiles and listening for the motors. The motor in the grounds equipment room is readily observable to ensure that it is operating.

Reading the manometers to ensure that an induced vacuum is established also ensures that the fans are in operation. If at any time it is noted that the fans are not operating properly or that a vacuum is not being induced within the venting system, the Maintenance & Environmental Supervisor will be notified immediately and appropriate steps will be taken to expeditiously determine the cause of the malfunction and restore proper operation. The results of the inspection will be documented on the inspection log form, a copy of which will be forwarded to the Maintenance & Environmental Supervisor upon completion of the inspection and again after completion of any required repair or maintenance activities not completed during or immediately after the inspection. The Quarterly Venting System Inspection Log form is provided in Appendix C.

4.4 Venting System Maintenance

Venting system inlet and outlet ports will be kept free of obstructions by the Environmental Services Workers and Custodial Staff. All exposed piping and seals should be maintained in a good, air tight condition.

There are no owner serviceable parts within the fan housing. Consequently, if a fan becomes inoperable or malfunctions, it should be replaced immediately. If desired, the dysfunctional fan may be sent to the manufacturer for service and kept as a back up fan upon return.

4.5 Vapor Barrier Penetration

Should portions of the concrete floor slab for the ground floor require removal or penetration, the underlying portions of the sub-slab vapor barrier are likely to be removed or damaged and will require repair.

Prior to pouring new concrete floor sections, openings in the vapor barrier will be patched and any vapor barrier penetrations will be sealed using tape and mastic in general conformance with the penetration repair illustrated on Figure 10.

5.0 PLAN ADMINISTRATION

5.1 Site Maintenance Plan & Inspection Logs

KUSD will maintain three copies of the Site Maintenance Plan. One copy will be maintained in the office of the school's Head Custodian, the others in the offices of the District's Environmental Services Workers and Maintenance & Environmental Supervisor. Copies of all

inspection logs will be kept on file with the Site Maintenance Plans held by the Environmental Services Workers and the Maintenance & Environmental Supervisor.

5.2 WDNR Reporting & Notification

The Maintenance & Environmental Supervisor will submit a report of the quarterly vapor mitigation system inspections to the WDNR annually. The report will provide a brief narrative of notable inspection findings and maintenance or repair activities and include copies of the completed Quarterly Venting System Inspection Log forms.

The Maintenance & Environmental Supervisor will also notify the WDNR if a vapor exhaust fan is found not to be running for two consecutive quarters, or if a manometer is not reading a vacuum for two consecutive quarters, even if repairs are made in the interim. KUSD will notify the WDNR in advance of a planned venting system shutdown.

Since the routine site cap maintenance activities are consistent with the standard grounds care practices of KUSD, periodic reporting of routine maintenance activities is not required. Large penetrations, catastrophic failures and/or breaches of the site cap will be reported to the WDNR as soon as practical. The Maintenance & Environmental Supervisor will notify the WDNR in advance of any planned major breaches of the site cap. The completed Annual Site Cap Inspection Log forms will be maintained by the Maintenance & Environmental Supervisor along with documentation of significant maintenance activities and repairs and will be made available to the WDNR upon request.

5.3 Contacts

In the event of problems with the site cap or vapor mitigation system or questions regarding the elements of this Plan, please contact the following:

Kevin Barlow-Christoun Maintenance & Environmental Supervisor
Email: kchristo@kusd.edu
(262) 653-6103

Patrick Finnemore Director of Facilities
Email: pfinnemo@kusd.edu
Phone: (262) 359-7757

5.4 Personnel Training

Subsequent to WDNR approval of this plan ChemReport, in conjunction with the Maintenance & Environmental Supervisor, will conduct an initial training session to acquaint the Environmental Services Workers, Custodial Staff and Grounds Crew assigned to the Brass Community School with the elements of the Site Maintenance Plan. Emphasis will be placed on the need to

maintain the integrity of the site cap and the functional operation of the vapor mitigation system to ensure the protection of students, staff and the public.

New Environmental Services Workers, Custodial Staff and Grounds Crew assigned to the Brass Community School will be trained in the elements of the Site Maintenance Plan and familiarized with the site cap and venting system components by the Maintenance & Environmental Supervisor upon assuming their duties.

5.5 Amendment or Withdrawal

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

6.0 CERTIFICATION

This Site Maintenance Plan has been prepared in accordance with generally accepted engineering and hydrogeologic principles and practices of this time and location.

The scope of services documented herein was developed from consideration of the project characteristics and interpretation of available information. Because limited information is available, CRI reserves the right to modify conclusions, recommendations, or actual site activities based on subsequent findings.

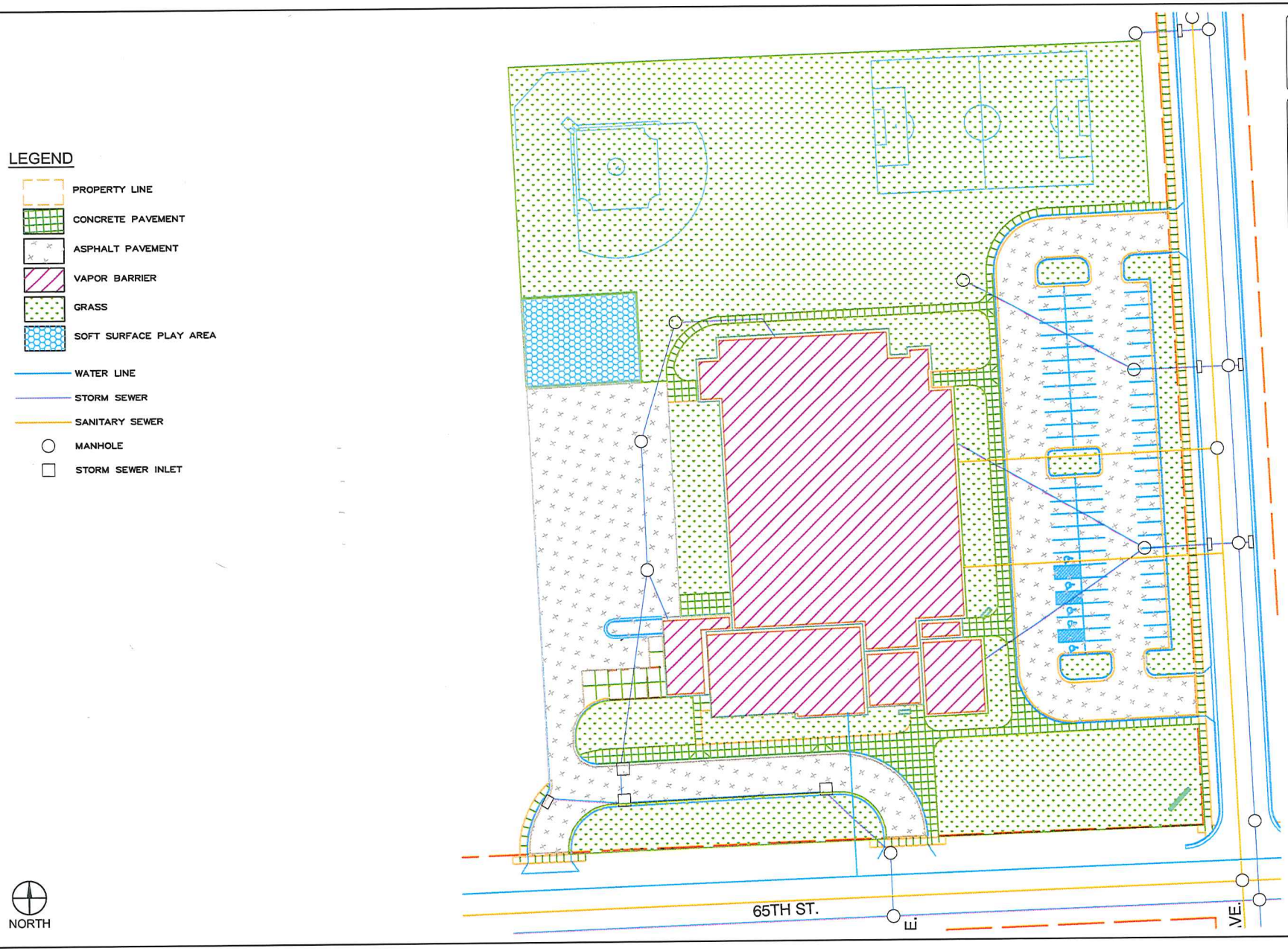
This Site Maintenance Plan was prepared by CHEMREPORT, INC.

I, Sean Cranley, hereby certify that I am a hydrogeologist as that term is defined in chapter NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Chapters NR 700 to 726, Wis. Adm. Code.

Sean Cranley, P.G.
Principal Hydrogeologist

APPENDIX A

FIGURES



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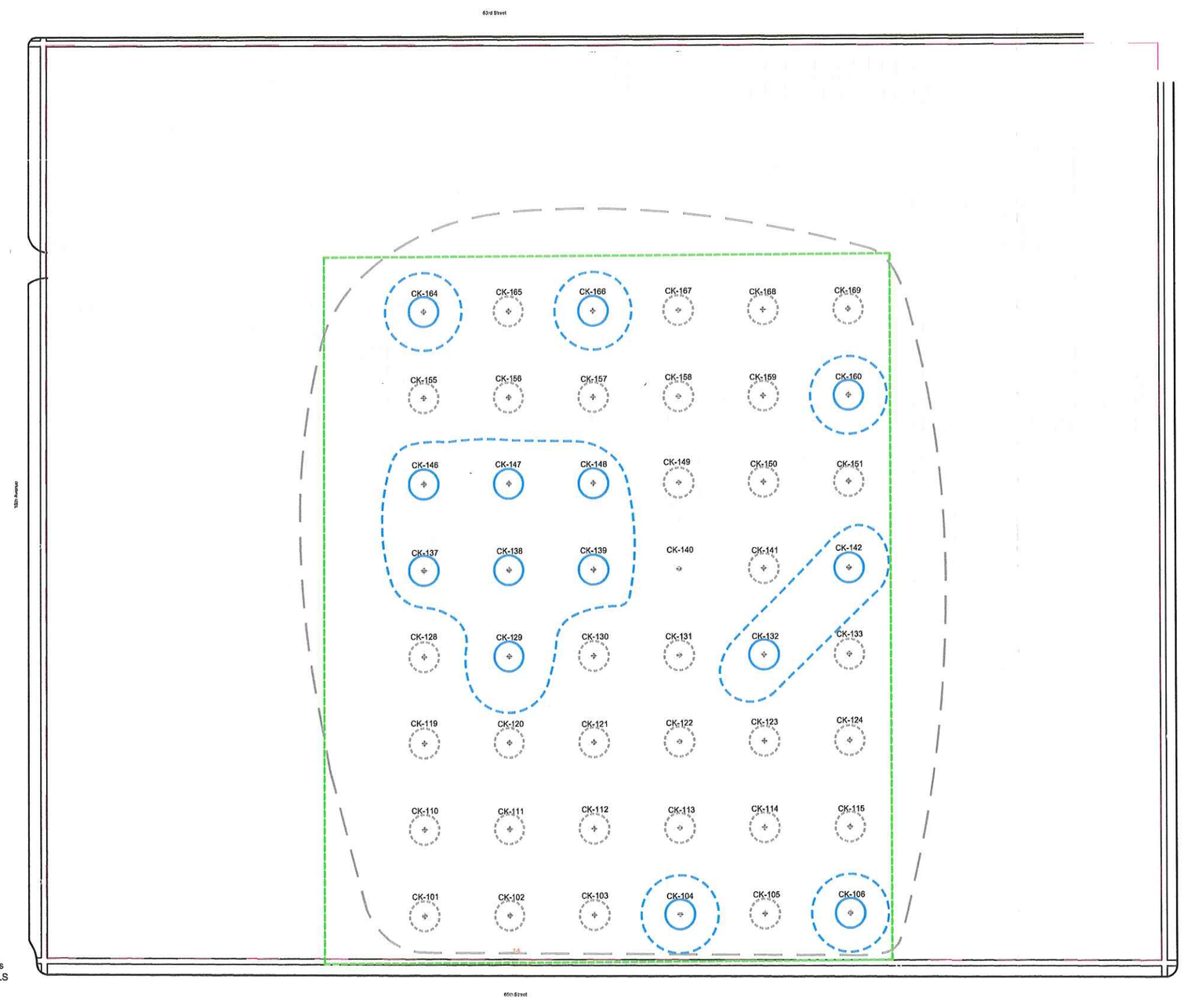
THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

SITE CONFIGURATION AND FINAL SITE SURFACE MAP

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Figure 3
Date Approved: 10/30/09	
Date Drawn: 10/30/09	3 of 17
Drawn by: R. SCHWARTZ	



LEGEND

= NON-INDUSTRIAL DIRECT CONTACT RCL EXCEEDED BY ONE OR MORE CONTAMINANTS

= INDUSTRIAL DIRECT CONTACT RCL EXCEEDED BY ONE OR MORE CONTAMINANTS

= SOIL SAMPLING LOCATION, CITY OF KENOSHA 2003

= APPROXIMATE SCHOOL PARCEL

= INFERRED EXTENT OF NON-INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCES IN SOIL

= INFERRED EXTENT OF INDUSTRIAL DIRECT CONTACT RCL EXCEEDANCES IN SOIL

NOTE

THE DISTRIBUTIONS OF SPECIFIC METALS AND PAHs EXCEEDING RLCs AT THE SITE ARE SPORADIC. SOILS BENEATH THE CAP SITE MATERIALS ACROSS THE ENTIRE SITE ARE TO BE CONSIDERED CONTAMINATED

PAH = POLYNUCLEAR AROMATIC HYDROCARBONS

RLC = RESIDUAL CONTAMINANT LEVEL

ARSENIC CONSIDERED TO BE WITHIN NATURALLY OCCURING LEVELS AND IS THEREFORE EXCLUDED

BASE MAP PROVIDED BY TRC

NORTH

SCALE: 1" = 100'

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PRE-REMEDIAL METALS AND PAH DIRECT CONTACT RCL EXCEEDANCES, 0 - 4 FOOT DEPTH

6400 15th AVE
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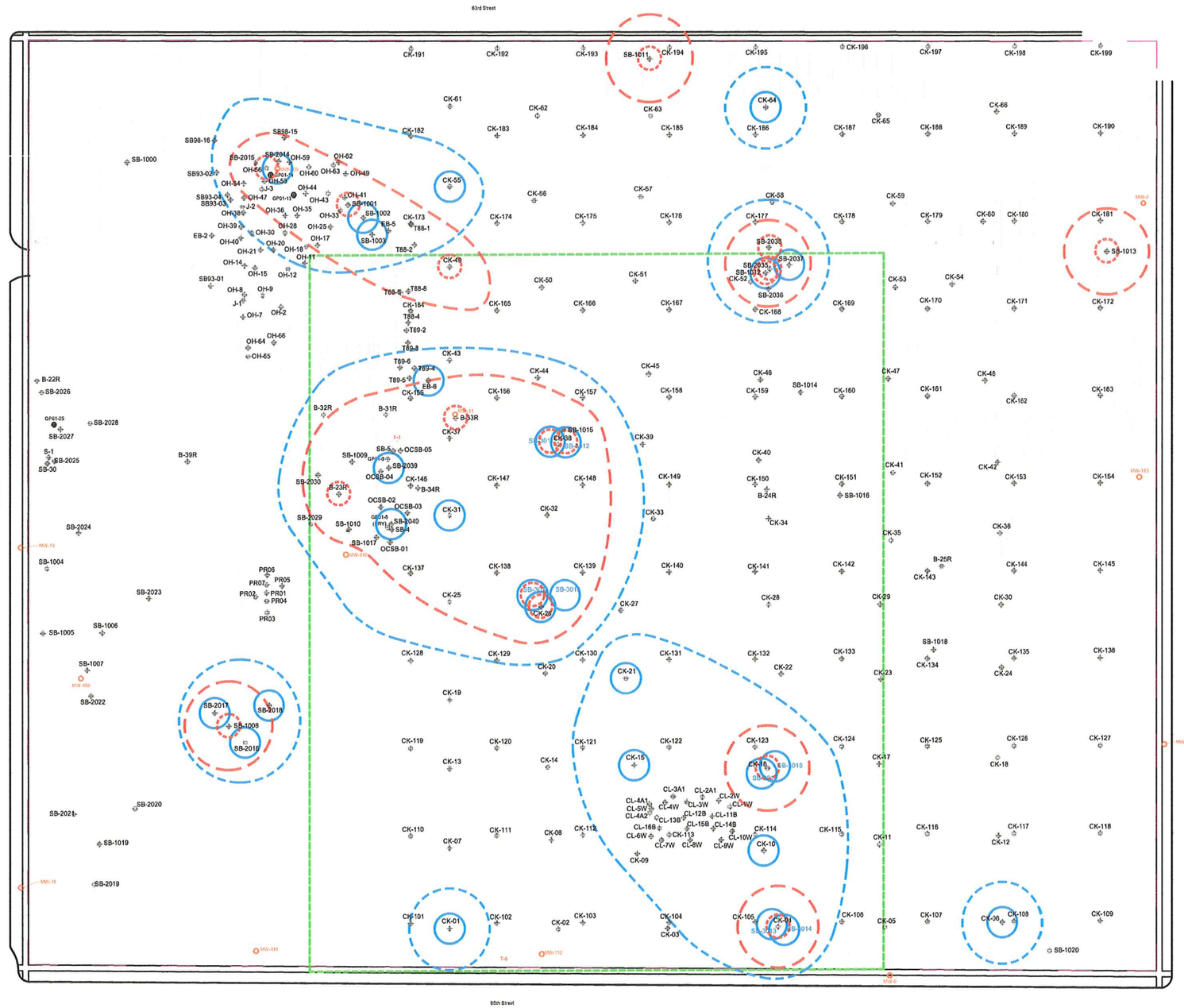
Approved By: S. CRANLEY	Figure 4
Date Approved: 2/25/10	
Date Drawn: 2/25/10	4 of 17
Drawn by: R. SCHWARTZ	



LEGEND

- SOIL SAMPLING LOCATION
- SOIL SAMPLING LOCATION, CONFIRMATION
- GSI 2001 GEOPROBE LOCATION
- MONITORING WELL, REMOVED
- LOCATION WHERE CVOCS ARE PRESENT IN SOIL
- LOCATION WHERE PVOCS ARE PRESENT IN SOIL
- INFERRED EXTENT OF CVOC's IN SOIL
- INFERRED EXTENT OF PVOC's IN SOIL
- STRUCTURE, FORMER
- APPROXIMATE SCHOOL PARCEL

NOTE

THE DISTRIBUTIONS OF SPECIFIC VOCs AT THE SITE ARE SPORADIC. SOILS BENEATH THE SITE CAP MATERIALS ACROSS THE ENTIRE SITE ARE TO BE CONSIDERED CONTAMINATED

VOCS = VOLATILE ORGANIC COMPOUNDS

CVOCS = CHLORINATED VOLATILE ORGANIC COMPOUNDS

PVOC's = PETROLEUM RELATED VOLATILE ORGANIC COMPOUNDS

BASE MAP PROVIDED BY TRC

NORTH

SCALE: 1" = 100'

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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST
PRE-REMEDIAL VOCS IN SOIL

6400 15th AVE
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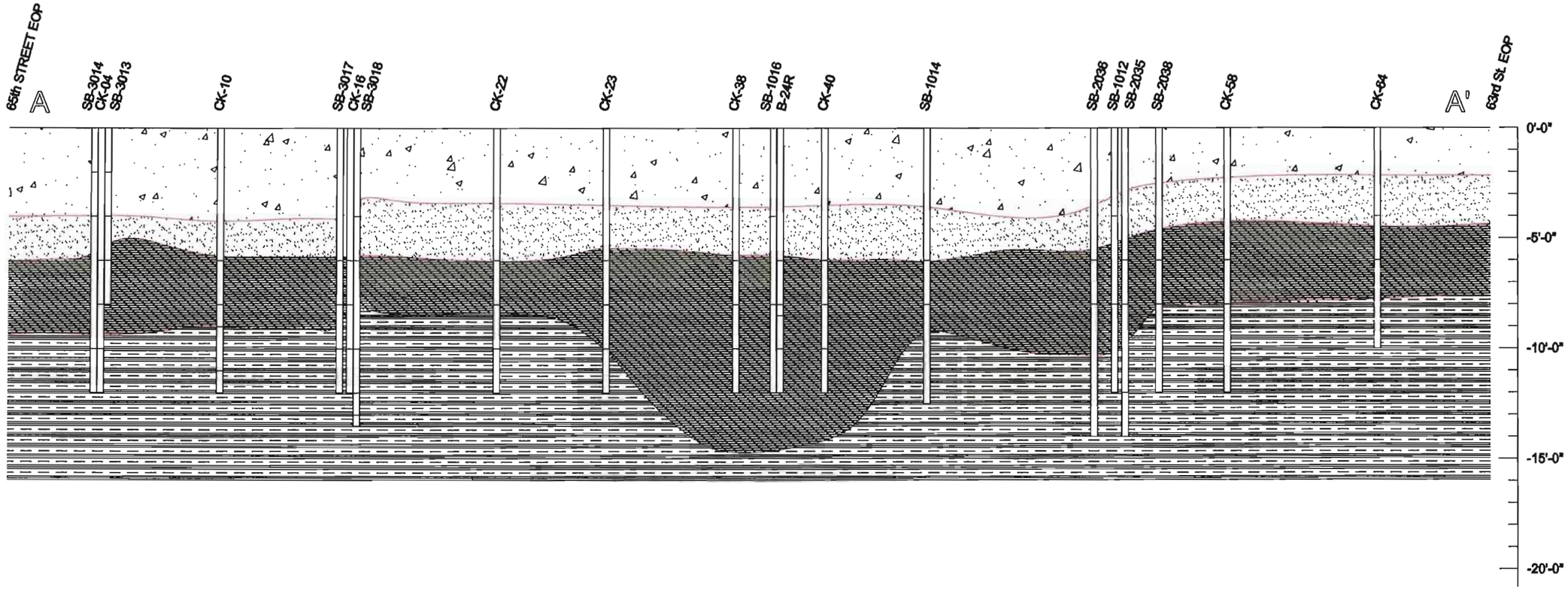
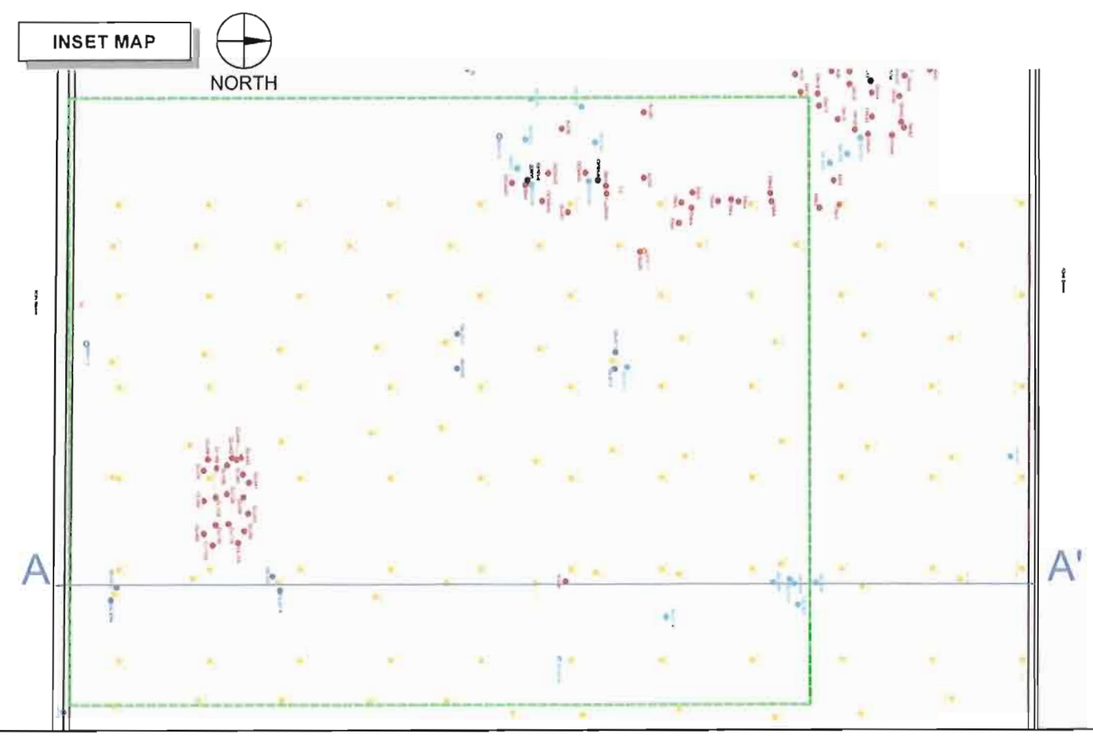
Approved By: S. CRANLEY	Figure 5
Date Approved: 2/24/10	
Date Drawn: 2/24/10	5 of 17
Drawn by: R. SCHWARTZ	





LEGEND

- FILL MATERIALS
- SAND
- CLAY
- SILT
- SOIL SAMPLING INTERVAL
- APPROXIMATE SCHOOL PARCEL

NORTH

NOTE

EOP = EDGE OF PAVEMENT

BASE MAP PROVIDED BY TRC

HORIZONTAL SCALE: 1" = 60' VERTICAL SCALE: 1" = 5'

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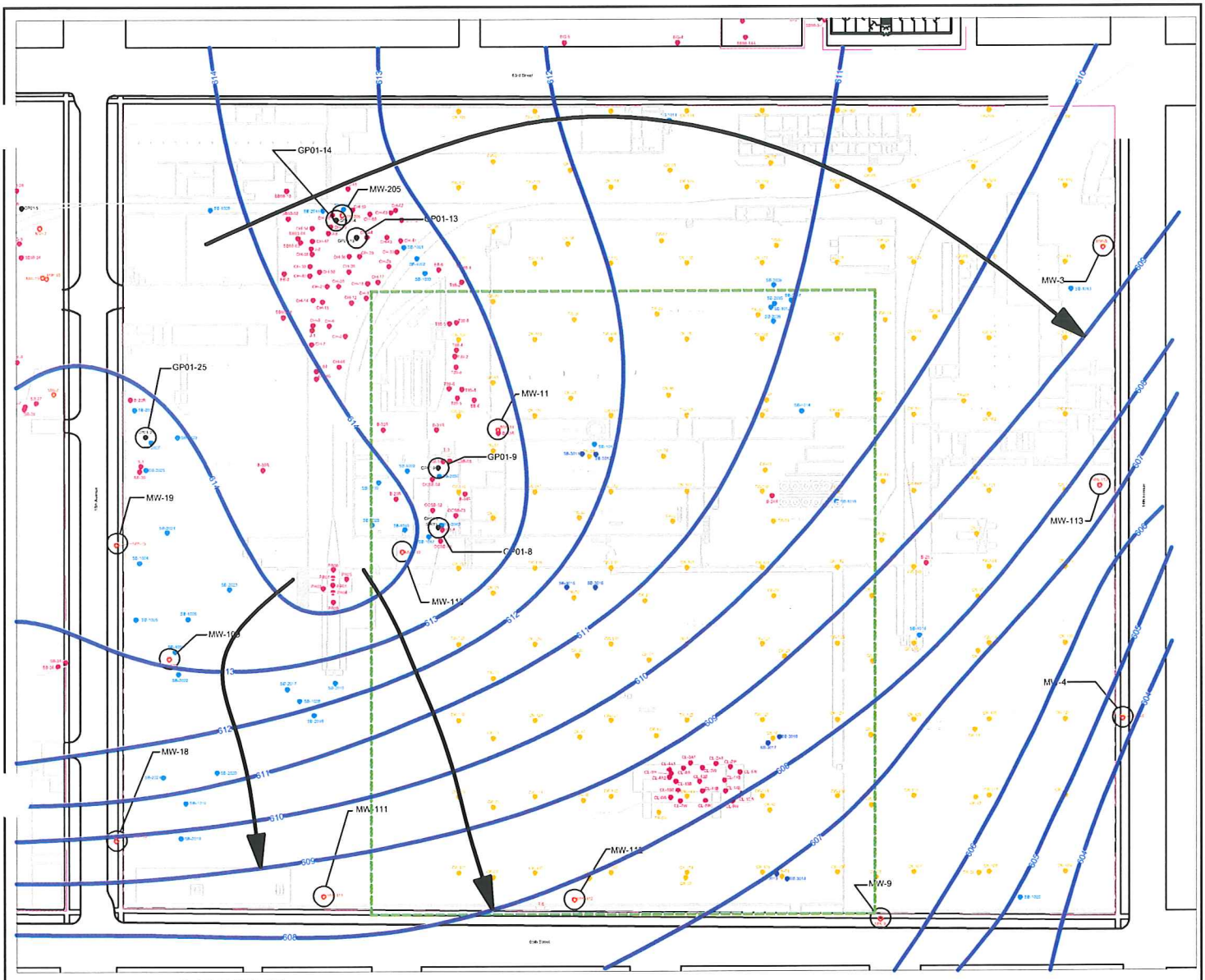
CASE CLOSURE REQUEST

PRE-REMEDIAL GEOLOGICAL CROSS-SECTION A-A'

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Figure 6
Date Approved: 11/02/09	
Date Drawn: 11/02/09	6 of 17
Drawn by: R. SCHWARTZ	



LEGEND

- INFERED GROUNDWATER CONTOUR JUNE 2005 (914)
- INFERED GROUNDWATER FLOW DIRECTION JUNE 2005
- SOIL SAMPLING LOCATION, HISTORICAL
- SOIL SAMPLING LOCATION, 2003
- SOIL SAMPLING LOCATION, CITY OF KENOSHA 2003
- SOIL SAMPLING LOCATION, CONFIRMATION
- SOIL SAMPLING LOCATION 2004
- GSI 2001 GEOPROBE LOCATION
- MONITORING WELL, REMOVED
- PROPERTY LINE
- STRUCTURE, FORMER
- APPROXIMATE SCHOOL PARCEL

NORTH
SCALE: 1" = 100'

NOTE

VOCS = VOLATILE ORGANIC COMPOUNDS

VOCS PRESENT = VOCS DETECTED AS A RESULT OF ONE OR MORE SAMPLING EVENTS

NO VOCS PRESENT = VOCS NOT DETECTED AS A RESULT OF ONE OR MORE SAMPLING EVENTS

BASE MAP PROVIDE BY TRC

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

PRE-REMEDIAL GROUNDWATER SAMPLING LOCATIONS AND FLOW DIRECTION

6400 15th AVE
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Approved By: S. CRANLEY	Date Approved: 11/02/09
Date Drawn: 11/02/09	Drawn by: R. SCHWARTZ
Figure 7	7 of 7

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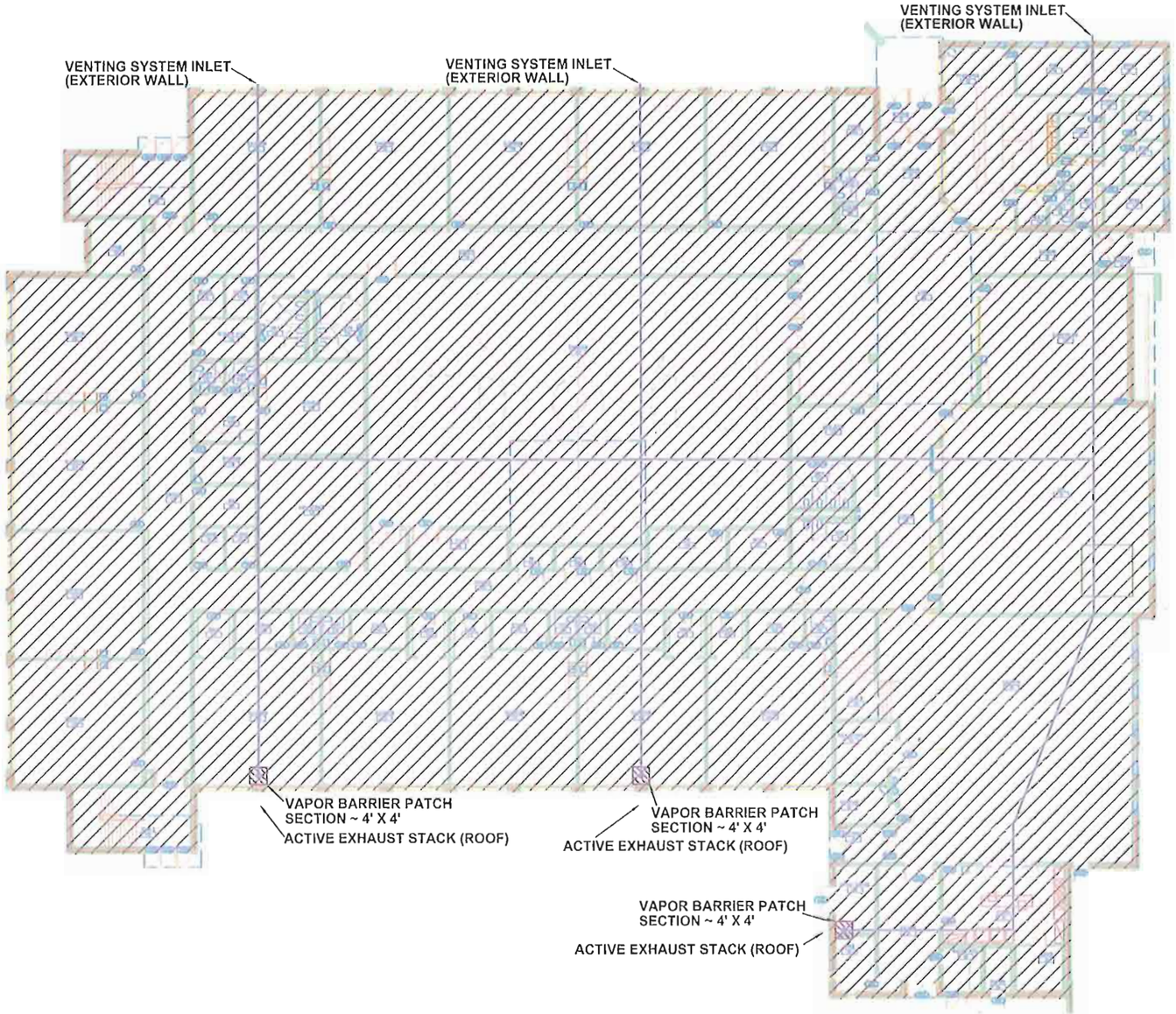

LEGEND

- = VENTING SYSTEM ROOF EXHAUST STACK
- = VAPOR BARRIER PATCH SECTION
- = EXTENT OF VAPOR BARRIER
- = 4" DIA. PERFORATED PIPE UNDER SLAB FOR PASSIVE VAPOR VENTILATION SYSTEM

NORTH
SCALE: 1" = 30'

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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

VENTING SYSTEM / VAPOR BARRIER LAYOUT

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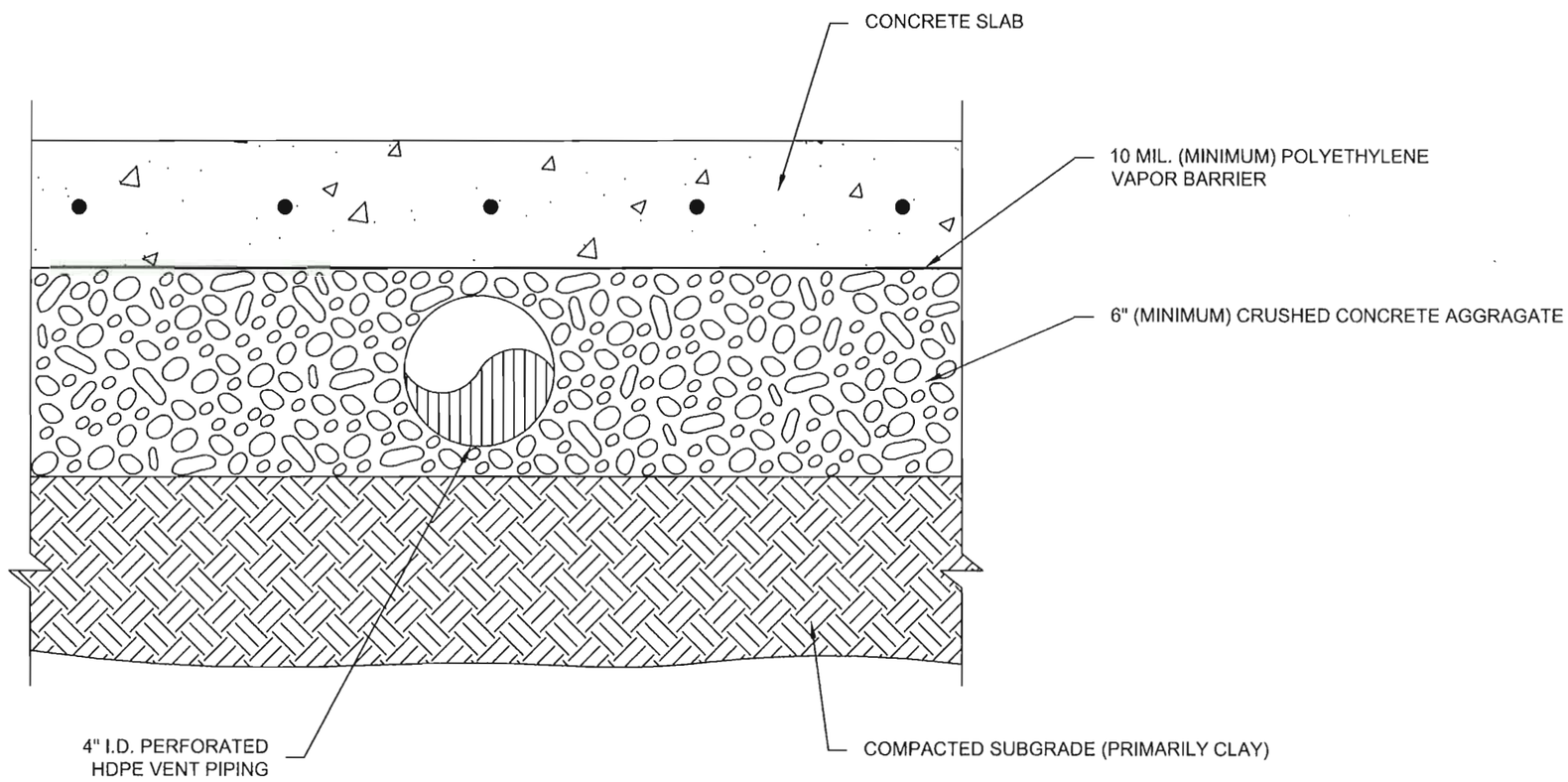
Approved By: S. CRANLEY	Figure 8
Date Approved: 11/02/09	
Date Drawn: 11/02/09	8 of 17
Drawn by: R. SCHWARTZ	



SCALE: NONE

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CASE CLOSURE REQUEST

VENTING SYSTEM / VAPOR BARRIER CROSS SECTION

6400 15th AVE
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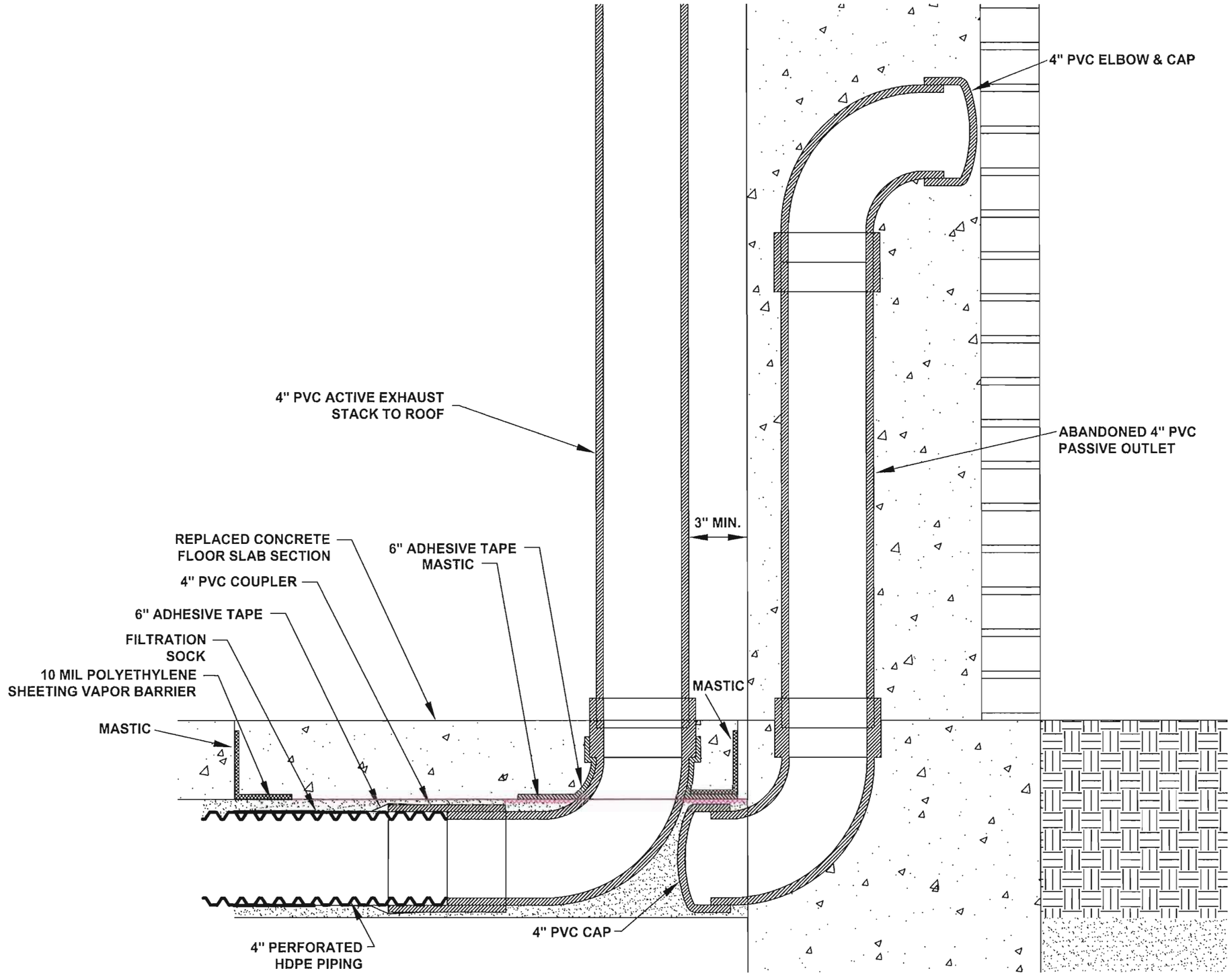
Approved By: S. CRANLEY	Figure 9
Date Approved: 11/02/09	
Date Drawn: 11/02/09	9 of 17
Drawn by: R. SCHWARTZ	



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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

VENT PIPE COUPLER AND EXHAUST STACK CROSS SECTION

6400 15th AVE
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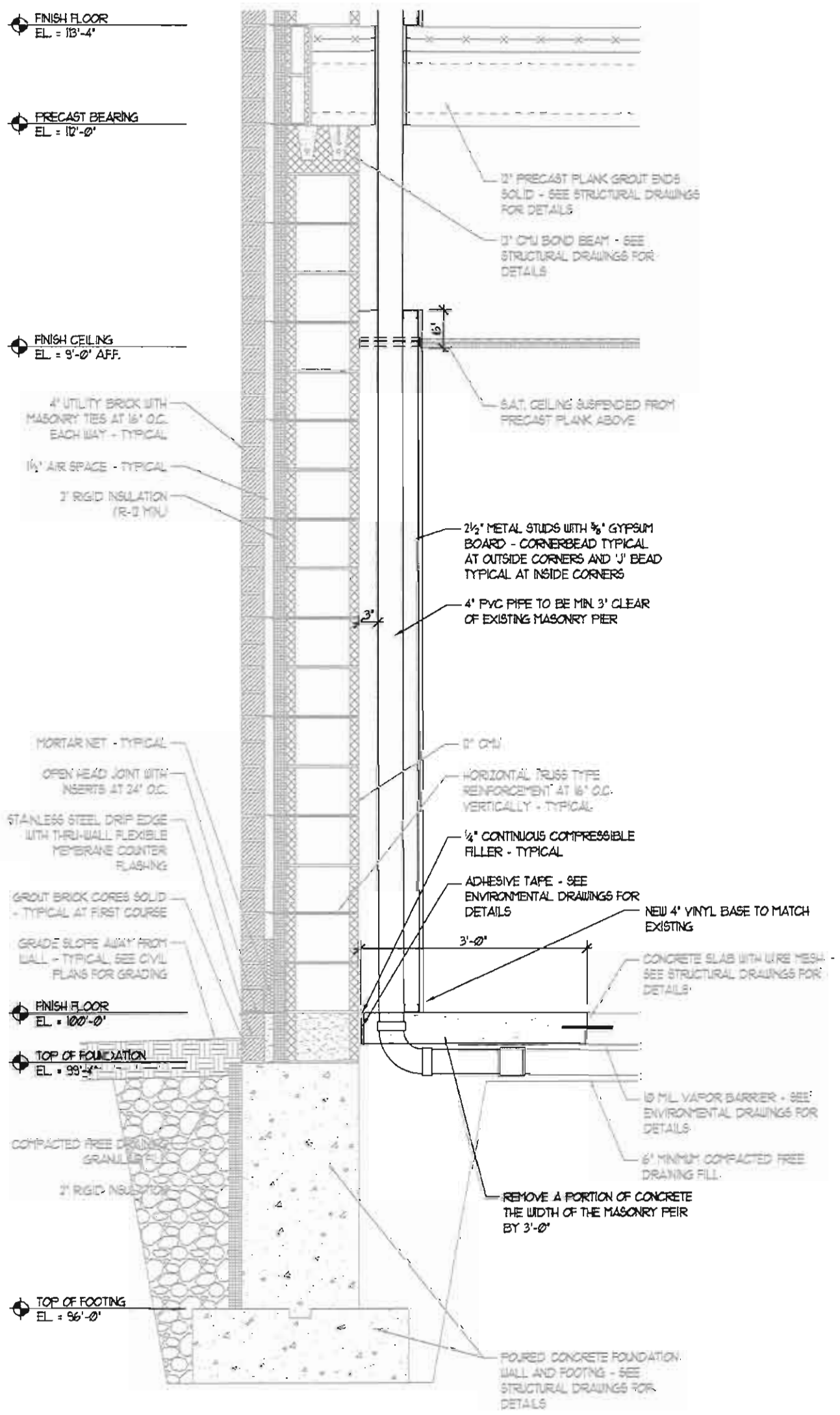
Approved By: S. CRANLEY	Figure 10
Date Approved: 11/02/09	
Date Drawn: 11/02/09	10 of 17
Drawn by: R. SCHWARTZ	



1 / A5.1 **WALL SECTION**
3/4"=1'-0"

Partners in Design ARCHITECTS
603 Fifty-Second Street
Suite 200
Kenosha, WI 53140
Ph: (262) 652-2800
Fax: (262) 652-2823

BRASS COMMUNITY SCHOOL
Venting System Revision
TYPICAL WALL SECTION

PROJECT NO: 020.06.010
DRAWN BY: JEB
CHECKED BY: JEB
DATE: 03.09.09
SHEET NO: A2

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THE BRASS COMMUNITY SCHOOL SITE
CASE CLOSURE REQUEST
FIRST FLOOR EXHAUST STACK CROSS SECTION

6400 15th AVE
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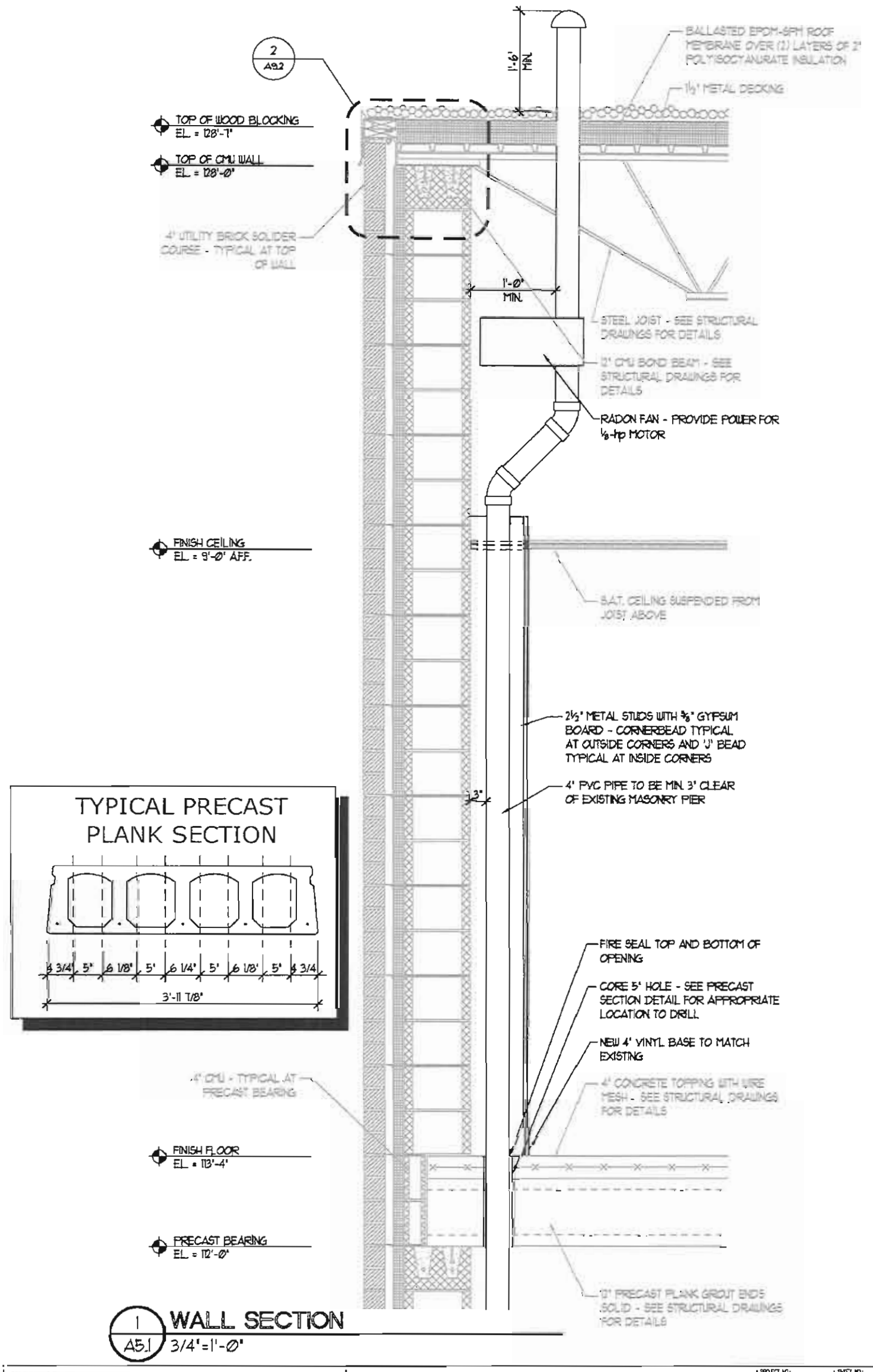
Approved By: S. CRANLEY
Date Approved: 11/02/09
Date Drawn: 11/02/09
Drawn by: R. SCHWARTZ
Figure 11



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BRASS COMMUNITY SCHOOL
Venting System Revision

TYPICAL WALL SECTION

PROJECT NO.: 020.06.010
DRAWN BY: JEB
CHECKED BY: JEB
DATE: 03.09.09
SHEET NO.: A1

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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

SECOND FLOOR EXHAUST STACK CROSS SECTION

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Date Approved: 11/02/09
Date Drawn: 11/02/09
Drawn by: R. SCHWARTZ
Figure 12
12 of 17

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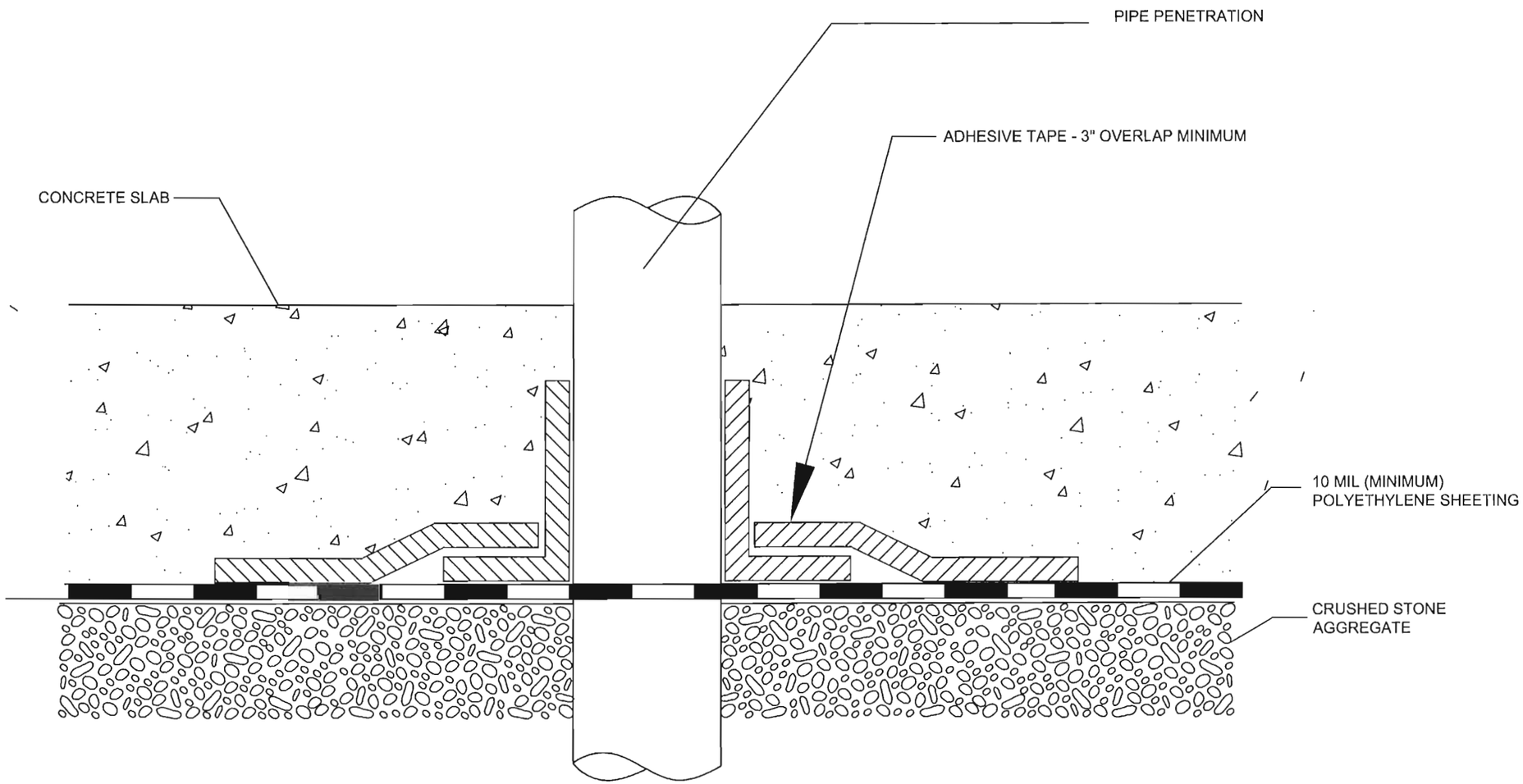

SCALE: NONE

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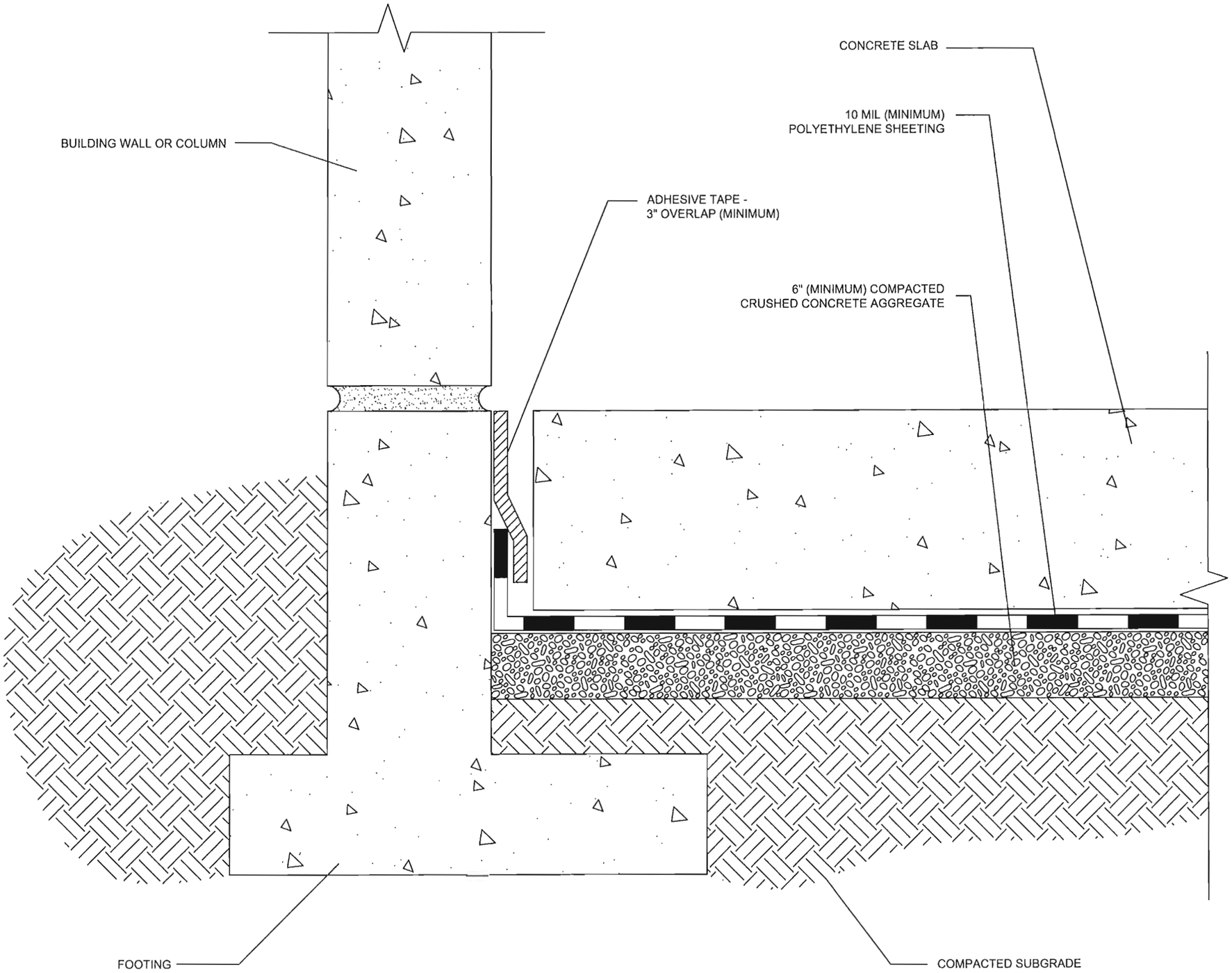
THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

VAPOR BARRIER PENNETRATION SEAL CROSS-SECTION

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Figure 13
Date Approved: 11/02/09	
Date Drawn: 11/02/09	13 of 17
Drawn by: R. SCHWARTZ	



SCALE: NONE

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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

VAPOR BARRIER WALL AND COLUMN SEAL CROSS-SECTION

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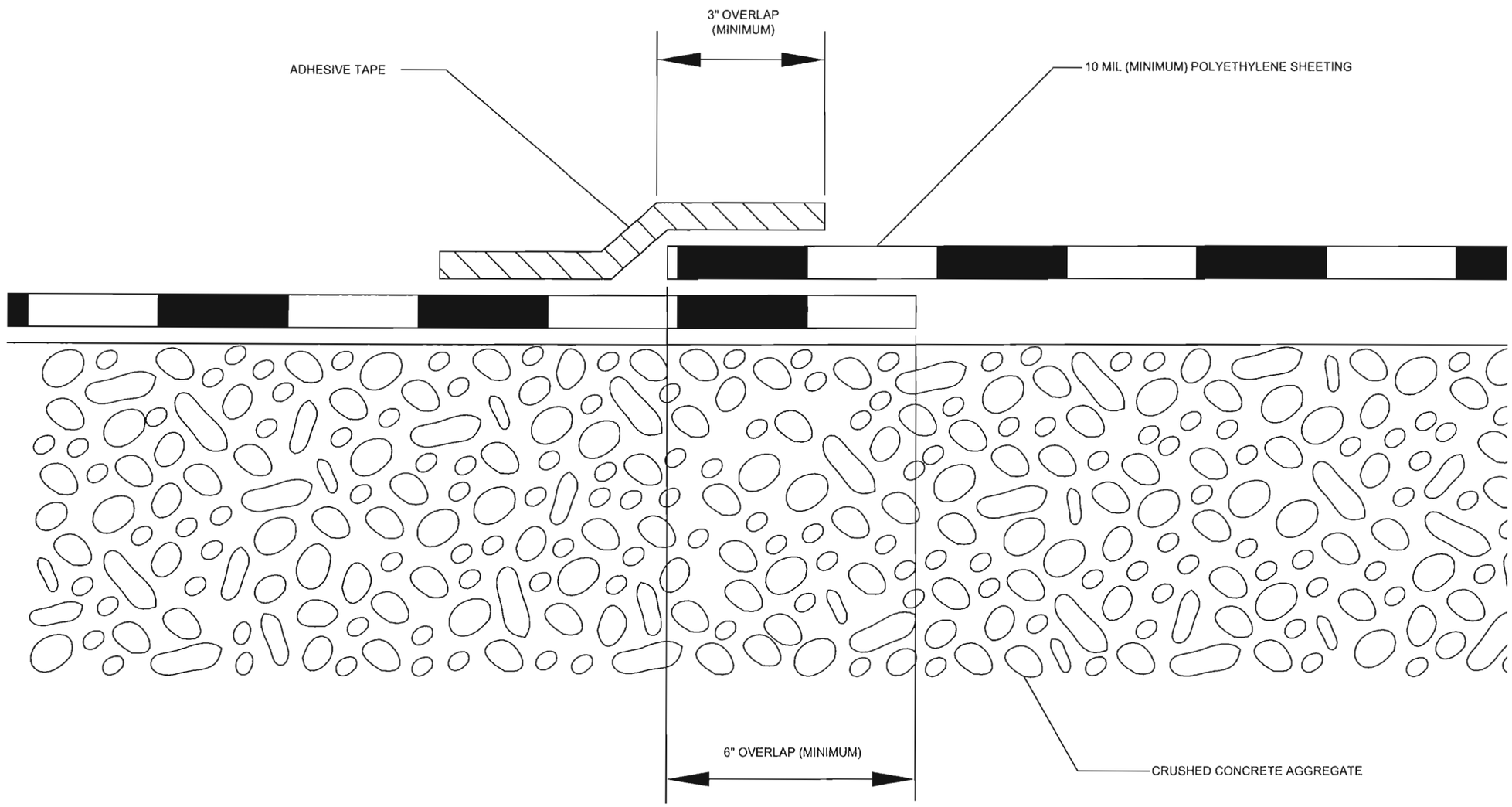
Approved By: S. CRANLEY	Figure 14
Date Approved: 11/02/09	
Date Drawn: 11/02/09	14 of 17
Drawn by: R. SCHWARTZ	



SCALE: NONE

ChemReport
INCORPORATED
4515 Washington Road
Kenosha, WI 53144
800-965-5323
engineer@chemreport.com

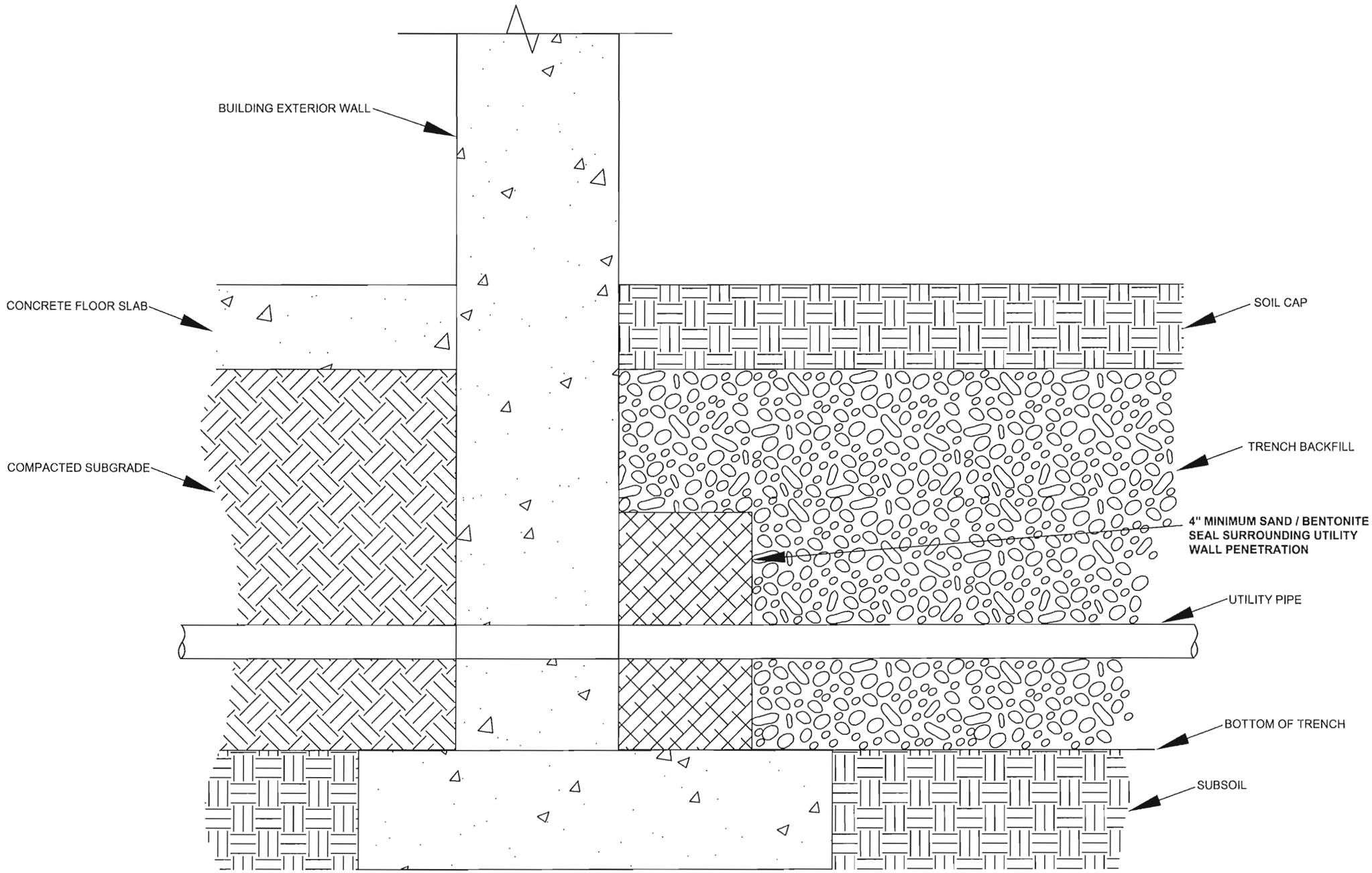
THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

VAPOR BARRIER SEAM SEAL CROSS-SECTION

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Figure 15
Date Approved: 11/02/09	
Date Drawn: 11/02/09	15 of 17
Drawn by: R. SCHWARTZ	



SCALE: NONE

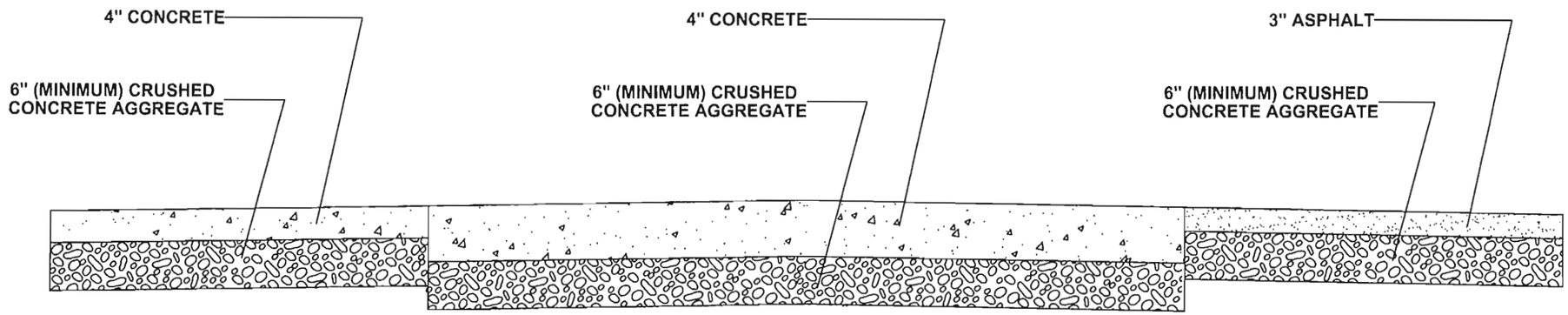
ChemReport INCORPORATED
4515 Washington Road
Kenosha, WI 53144
800-965-5323
engineer@chemreport.com

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST
UTILITY SEAL CROSS-SECTION

6400 15th AVE
KENOSHA, WI

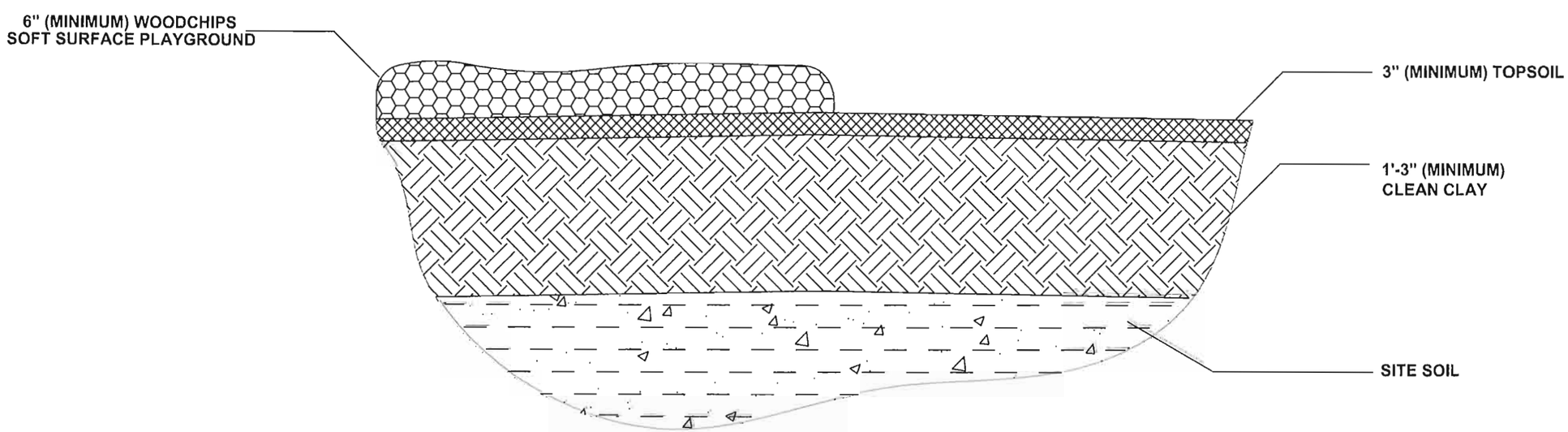
Approved By: S. CRANLEY	Figure 16
Date Approved: 11/02/09	
Date Drawn: 11/02/09	16 of 17
Drawn by: R. SCHWARTZ	



CONCRETE WALK CROSS-SECTION

BUS ROUTE CROSS-SECTION

PLAYGROUND AND PARKING AREAS CROSS-SECTION



SOFT PLAYGROUND AND SOIL CAP CROSS-SECTION

SCALE: NONE

ChemReport INCORPORATED
4515 Washington Road
Kenosha, WI 53144
800-965-5323
engineer@chemreport.com

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST
PAVING AND SOIL CAP CROSS-SECTIONS

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Figure 17
Date Approved: 11/02/09	
Date Drawn: 11/02/09	17 of 17
Drawn by: R. SCHWARTZ	

APPENDIX B

PHOTOGRAPHIC LOG

April 2007 – Silt Fencing in Place, Interim Cap Stripped and Stockpiled

April 2007 - Interim Cap Stripped and Stockpiled, Site Grading Underway

April 2007 - Entrance Track Pad and Perimeter Fencing Installed

April 2007 – Site Grading Underway

August 2007 – Vent System Installation Beneath Gymnasium

September 2007 – Vapor Barrier Beneath Eastern Portion of Building

October 2007 – Clean Soil Site Cap and Elevation Control Stakes

October 2007 – Clean Soil Cap Installation

April 2008 - Eastern Building Wall with Soil and Pavement Caps, Facing North

April 2008 – Soil and Pavement Caps Along 65th Street, Facing Southeast

April 2009 – Manometer Indicating no Vacuum Prior to System Startup

May 2009 – Manometer in Grounds Closet Indicating 1.6" Water Column Vacuum

April 2009 – Grounds Closet Vent Stack and Fan

April 2009 – Framed in Vent Stack with Manometer Access Panel

April 2009 – Vent Stack Above Roof

April 2009 – Completed Framed in Vent Stack with Manometer Access Panel

October 2009 – Front of School, Facing Northwest

October 2009 – Front of School, Facing Northeast

October 2009 – Paved and Soft-Surface Play Areas, Facing North

October 2009 – Grassed and Landscaped Area Adjacent to West Side of School Building

October 2009 – Raised Athletic Field, Facing Northwest

October 2009 – Raised Athletic Field, Facing East

October 2009 – Venting System Inlet and Grassed Area Adjacent to East Side of Building

October 2009 – Raised Athletic Field, Facing Southwest

APPENDIX C

SITE CAP & VENTING SYSTEM INSPECTION LOG FORMS

BRASS COMM''NITY SCHOOL
ANNUAL SITE CA. .NSPECTION LOG

Inspector: _____ Date: _____

Inspection Item			Comments	Recommendations	Previous Recommendations Implemented?
Bare Dirt Requiring Re-Seeding?	YES	NO			
Erosion Features Exhibited By Cap?	YES	NO			
Significant Cracking In Pavement?	YES	NO			
Large Potholes In Pavement?	YES	NO			
Underlying Soil Exposed Through Pavement?	YES	NO			
Other Unusual Conditions?	YES	NO			
Modifications To Site Cap Since Last Year?	YES	NO			

NOTES:

KUSD's Environmental Services Workers will inspect the site cap on an annual basis in accordance with the Site Maintenance Plan. Should a breach in the site cap be identified during routine maintenance activities the Maintenance & Environmental Supervisor will be promptly notified.

KUSD will repair all breaches in the cap expeditiously. Cracks, holes and other small penetrations of paved portions of the site cap will be patched with compatible surface materials on an as needed basis in keeping with standard maintenance practices. A minimum of 1.5 feet of clean soil will be maintained as the cap over non-paved portions of the site.

The Environmental Site Workers will place the inspection log into their files and forward a copy to the Maintenance & Environmental Supervisor upon completion of the inspection and upon completion of any maintenance and repair activities not completed during or immediately after the inspection.

BRASS COMMUNITY SCHOOL
QUARTERLY VENTING SYSTEM INSPECTION LOG

Inspector: _____ Date: _____

Inspection Item	Venting System Exhaust Stack Location		Comments	Recommendations	Previous Recommendations Implemented?
	Grounds Equipment Closet				
Manometer Vacuum Reading :		Inches H2O			
Manometer Reading Between 0.5 & 2.0 Inches?	YES	NO			
Fan Motor Running?	YES	NO			
Couplers & Seals in Good Condition and Secure?	YES	NO			
Roof Vent Outlet Unobstructed? (South)	YES	NO			
East Wall Vent Inlet Unobstructed? (South)	YES	NO			
Any Unusual Noises or Conditions?	YES	NO			
	Rooms 110 & 210				
Manometer Vacuum Reading :		Inches H2O			
Manometer Reading Between 0.5 & 2.0 Inches?	YES	NO			
Fan Motor Running?	YES	NO			
Couplers & Seals in Good Condition and Secure?	YES	NO			
Roof Vent Outlet Unobstructed? (Middle)	YES	NO			
East Wall Vent Inlet Unobstructed? (Middle)	YES	NO			
Any Unusual Noises or Conditions?	YES	NO			
	Rooms 116 & 216				
Manometer Vacuum Reading :		Inches H2O			
Manometer Reading Between 0.5 & 2.0 Inches?	YES	NO			
Fan Motor Running?	YES	NO			
Couplers & Seals in Good Condition and Secure?	YES	NO			
Roof Vent Outlet Unobstructed? (North)	YES	NO			
East Wall Vent Inlet Unobstructed? (North)	YES	NO			
Any Unusual Noises or Conditions?	YES	NO			

NOTES:

Environmental Services Workers will inspect the venting system on a quarterly basis in accordance with the Site Maintenance Plan. If a fan ceases operation, if the vacuum levels drop below 0.5 inches or exceed 2.0 inches of water column or if obstructions, faulty seals or other defects are noted, the Maintenance & Environmental Supervisor will be promptly notified and corrective action will be undertaken expedisiously.

The Environmental Site Workers will place the inspection log into their files and forward a copy to the Maintenance & Environmental Supervisor upon completion of the inspection and upon completion of any maintenance and repair activities not completed during or immediately after the inspection.

SCHEDULE A

Commitment No.- LT-101699
Effective Date of Commitment - 1/24/2007 at 8:00 a.m.

Inquiries Should be Directed to:
Landmark Title Corporation
3501 30th Avenue / PO Box 725
Kenosha, WI 53144
(262) 658-2066 - FAX 658-0913

1. Policy or Policies to be issued: Amount

(a) ALTA Owners Policy 10-17-92 $10,000.00
Proposed Insured:
Kenosha Unified School District

(b) ALTA Loan Policy 10-17-92
Proposed Insured:

2. The Estate or interest in the land described or referred to in this Commitment and covered herein is a
Fee Simple

3. Title to said estate or interest in said land is at the effective date hereof of record in:
The City of Kenosha, Wisconsin

4. The land referred to in this Commitment is located in the County of Kenosha, State of WI, and described as follows:

Lot 2 of CERTIFIED SURVEY MAP NO. 2561, recorded in the Kenosha County Register of Deeds office on January 26, 2007 as Document No. 1508949, being a re-division of all of Lot 3 of Certified Survey Map No. 2465 in Block 26 of Bond's Subdivision, and being a part of the Northwest Quarter of Section 6, Town 1 North, Range 23 East of the Fourth Principal Meridian, in the City of Kenosha, Kenosha County, Wisconsin.

Tax Key No.: Part of 05-4-123-06-277-004

Richard Rombak
LANDMARK TITLE CORPORATION
BY: Richard Rombak

LandAmerica Commonwealth

CASE No.- LT-101699 **- REQUIREMENTS -** SCHEDULE B-I

I. The following are the requirements to be complied with:

a) Payment to or for the account of the grantors or mortgagor of the full consideration for the estate or interest or mortgage to be insured.

b) Payment to the Company of the premiums, fees and charges for the policy.

c) Proper instrument(s) creating the estate or interest to be insured must be executed and duly filed for record, to wit:

1. A Warranty Deed from The City of Kenosha, Wisconsin to Kenosha Unified School District .

d) Taxes general or special and assessments for the year 2007 not due or payable.
(NOTE: 2006 taxes are exempt)

CASE No.- LT-101699 **- EXCEPTIONS - SCHEDULE B-II**

The policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

1. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed insured acquires for value of record the estate or mortgage thereon covered by this Commitment.
2. Special taxes or assessments, if any, payable with the taxes levied or to be levied for the current and subsequent years.
3. Liens or deferred charges not shown on the tax roll for installations and connections of water and sewer laterals, mains and service pipes.
4. Any lien, or right to a lien, for services, labor, or material heretofore or hereafter furnished, imposed by Law and not shown by the public records.
5. Rights or claims of parties in possession not shown by the public records.
6. Encroachments overlaps, boundary line disputes, and any other matters which would be disclosed by an accurate survey and inspection of the premises.
7. General taxes for the year 2007 and subsequent years not yet due or payable.
8. Roads, ways, streams or easements, if any, not shown by the public records, riparian rights and the title to any filled-in lands.
9. Terms and Conditions contained in Agreement between Anaconda American Brass Company and the City of Kenosha, dated November 28, 1966, recorded in said Register's office December 27, 1966 in Volume 744 of Records, pages 432-3.
10. Right-of-Way Grant to the Wisconsin Telephone Company dated March 8, 1983, recorded in said Register's office March 18, 1983 in Volume 1129 of Records, pages 36-37, as Document No. 700347.
11. Subject to right of way across a portion of insured premises for a switch track, as noted in Deed from Chicago Brass Company to The American Brass Company dated February 28, 1912, recorded in said Register's office March 29, 1912 in Volume 69 of Deeds, page 139, as Document No. 86655.
12. Environmental Remediation Access Easement executed by the City of Kenosha, Wisconsin, to TRC Companies, Inc. dated March 19, 2002 and recorded in the Kenosha County Register of Deeds office on March 28, 2002 as Document no. 1261562.
13. Restrictions and conditions as contained in Certified Survey Map No. 2465 and Certified Survey Map No. 2561.

1/2007 ml

Mail_____(Include self-addressed envelope please)
Fax Number (414) 658-0913
Phone Number (414) 658-2066

Date: 1-29-07
For office use:
_____Billable
_____Fee Received
Request Number_____

KENOSHA WATER UTILITY

Contemplated Assessment Research Report

Address/Location: *
Parcel Number: Part of 05-4-123-06-277-004
Requested By LANDMARK TITLE CORPORATION Owner: The City of Kenosha, Wisconsin
(LT-101699)
I/We have examined the records located in our office and have determined the following:

Contemplated Assessments (estimated)

Water Main_____ anticipated billing year_____

Sewer Main_____ anticipated billing year_____

Water Stub _____ anticipated billing year_____

Sewer Stub_____ anticipated billing year_____

Storm Sewer_____ anticipated billing year_____

Sidewalk _____ anticipated billing year_____

Paving _____ anticipated billing year_____

Grading & Graveling_____ anticipated billing year_____

Other_____ anticipated billing year_____

None of the above X LTC 1-29-07

Assessment charges, both active and deferred, are on file in the office of the City Clerk, Room 105, 625 - 52nd Street, Kenosha, WI 53140. Examination of printed reports as well as computer access is available. This data is not provided by this office. The City Clerk's phone number is 653-4020.

Delinquent water/sewer service charges - The realtor/seller should be taking care of this a week or two before closing as water bills are a lien against the property and should be included on the closing statement. Call 653-4300 to get this information.

It is hereby expressly understood that this memorandum statement is issued subject to error and omission, and shall not be binding upon the Kenosha Water Utility. In accordance with Section 19.21 (2) of the Wisconsin State Statutes, you are entitled to examine the public records of this office and verify the information obtained therefrom to your own satisfaction.

Kenosha Water Utility - Engineering Services
Bus. (414) 653-4313
Fax (414) 653-4320

THIS SPECIAL ASSESSMENT LETTER IS ACCEPTABLE TO LANDMARK TITLE FOR 60 DAYS FROM THE DATE OF THIS LETTER. IF THE CLOSING TAKES PLACE AFTER THE 60 DAY PERIOD A NEW LETTER MUST BE ORDERED AT THE CUSTOMER'S EXPENSE.

LandAmerica Commonwealth

COPY

CONTRACT OF PURCHASE AND SALE AND DEVELOPMENT AGREEMENT FOR THE BRASS SITE

By and Between

KENOSHA UNIFIED SCHOOL DISTRICT, NO. 1,
A Common School District,

and

THE CITY OF KENOSHA, WISCONSIN,
A Wisconsin Municipal Corporation,

THIS CONTRACT OF PURCHASE AND SALE ("Contract") is made by and between **KENOSHA UNIFIED SCHOOL DISTRICT, NO. 1**, a common school district **("BUYER")**, and the **CITY OF KENOSHA, WISCONSIN,** a Wisconsin municipal corporation, **("SELLER"),** duly organized and existing under the laws of the State of Wisconsin. This Contract shall be effective upon approval and execution by the parties. The effective date shall be the date of last execution ("Effective Date").

W I T N E S S E T H:

WHEREAS, SELLER presently owns and holds fee simple title to that certain property ("Property") containing approximately 6.33 acres, located in the City of Kenosha, County of Kenosha, State of Wisconsin, which is illustrated on Exhibit "A". Property refers to Lot 2 as depicted on Exhibit "A"; and,

WHEREAS, Property is part of a larger redevelopment site ("Redevelopment Site") also shown on Exhibit "A"; and,

WHEREAS, BUYER submitted a proposal for sale of Property ("Proposal"), which includes the construction of a school; and,

WHEREAS, Property has preexisting pollution conditions that require remediation pursuant to environmental law; and,

WHEREAS, SELLER, along with prior owners and operators of Property, entered into an Exit Strategy Contract with **TRC COMPANIES, INC.** for the Remediation of Preexisting Pollution Conditions on Property under Environmental Law; and,

WHEREAS, in fulfillment of its obligations under the Exit Strategy Contract, **TRC COMPANIES, INC.**, on October ___, 2006, submitted a Remedial Action Plan to the State of Wisconsin, Department of Natural Resources ("DNR"); and,

WHEREAS, said Remedial Action Plan includes a Material Management Plan which provides for soil and storm water management; and,

WHEREAS, on October ___, 2006, DNR issued a conditional approval of said Remediation Action Plan; and,

WHEREAS, the **SELLER, BUYER** and **TRC COMPANIES, INC.** have entered into a certain Contract for Coordination and Remediation dated _____, 2006, (the "Remediation Coordination Contract") governing the responsibilities and performance of certain Remediation of Preexisting Pollution Conditions under Environmental Law of the Property under the Exit Strategy Contract; and,

WHEREAS, the development of a new school is beneficial to **SELLER** in order to provide education to City residents in their neighborhoods; and,

NOW, THEREFORE, in consideration of the mutual promises and agreements contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed by and among the undersigned, each being represented by legal counsel, and intending to be legally bound hereby, as follows:

1. Purchase/Sale. **BUYER** hereby agrees to purchase and acquire Property from **SELLER**, and **SELLER** hereby agrees to sell and convey Property to **BUYER** for and in consideration of, and upon and subject to, the terms, covenants and conditions hereinafter set forth.

2. Purchase Price. The aggregate purchase price ("Purchase Price") of Property is One ($1.00) Dollar, and other good and valuable consideration.

3. Conveyance. At the Closing for Property, **SELLER** shall sell and convey to **BUYER** good, marketable, and insurable title to the Property, by delivery of a fully executed and acknowledged Quit Claim Deed ("Deed"), in customary form.

4. Developers Agreement. **BUYER** and **SELLER** shall execute the proposed Developers Agreement between the City of Kenosha, Kenosha Water Utility, and Kenosha Unified School District, No. 1.

5. Title Insurance. **SELLER** shall provide **BUYER** with a Title Insurance Commitment, issued by a title company licensed in Wisconsin ("Title Company"), pursuant to which the Title Company shall agree to issue to **BUYER** a standard ALTA 1992 Owner's Policy of Title Insurance in the amount of Ten Thousand ($10,000.00) Dollars, insuring good and marketable title to the Property (expressly including all appurtenant easements and other appurtenances thereto), subject only to the Permitted Exceptions.

6. Conditions Precedent To Closing.

a. BUYER'S Conditions Precedent. With respect to the Property, each and all of the obligations of the **SELLER** to **BUYER** hereunder are subject, without limitation, to **BUYER'S** satisfaction or waiver in writing of each and all of the following conditions precedent to the Closing of the Property on or before the dates therefor set forth below ("**BUYER'S** Conditions Precedent").

(1) Title Insurance Commitment. A Title Insurance Commitment for the Initial Property, at the cost and expense of **SELLER**, on or before the thirtieth (30th) day after the Effective Date, in the form required under Section 4 hereof, together with a copy of each document to which reference is made in such commitment, all of which (including, but not

limited to, the terms, covenants, and conditions of any easements appurtenant to the Property and the status of real estate taxes and levies and proposed or pending special assessments). On or before the fortieth (40th) day after the Effective Date, **BUYER** shall, in writing, accept the Title Insurance Commitment or reject the Title Insurance Commitment if not satisfactory to **BUYER**.

(2) Survey. A Certified Survey Map has been completed by **SELLER** and is attached hereto as Exhibit "A". An original survey of Property on or before the thirtieth (30th) day after the Effective Date, with a then current date, certified to **BUYER** and to the Title Company, prepared by a registered Wisconsin surveyor, at the cost and expense of **SELLER**, which survey shall locate and describe Property, all boundary lines thereof, all adjacent roadways and other means of access and limitations thereon, all utilities adjacent to said Property, all easements affecting said Property, all encroachments affecting said Property, and shall otherwise satisfy all Survey Standards, the survey and all matters disclosed therein, or reject the survey if not satisfactory to **BUYER**.

(3) Soil Tests. An opportunity to conduct soil tests on Property at the cost and expense of **BUYER**, on or before the sixtieth (60th) day after the Effective Date, to determine the suitability of Property for conventional construction of buildings shown on the Concept Plan thereon ("Buildings") and related improvements, without unusual cost or expense, to be constructed and used in accordance with the Concept Plan. On or before the seventieth (70th) day after the Effective Date, **BUYER** shall, in writing, accept the results of the soil tests or reject the results of the soil tests if not satisfactory to **BUYER**.

(4) Utilities. Evidence satisfactory to **BUYER** that all necessary or appropriate utilities (including, but not limited to, sanitary sewer, storm sewer and water) are available to Property in sufficient capacity and suitability for construction and use of the Buildings shown on the Concept Plan, attached hereto as Exhibit "B", on or before the thirtieth (30th) day after the Effective Date. On or before the fortieth (40th) day after the Effective Date, **BUYER** shall accept the utility report, or reject the utility report if not satisfactory to **BUYER**.

(5) Environmental. An Environmental Remediation Plan for Property approved by the Wisconsin Department of Natural Resources and suitable for the development of Property, and for construction of the Buildings and uses thereon as shown on the Concept Plan, without unusual cost or expense, has been developed. **SELLER** has provided a copy of this plan to **BUYER**. **BUYER** has reviewed and accepted this plan and **BUYER** agrees this condition has been satisfied.

(6) Additional Insured.

(a) The **SELLER** shall provide evidence on or before Closing as to the reasonable satisfaction of **BUYER** that **BUYER** shall be named as an additional insured on the AIG Policy entered into as part of the Exit Strategy Contract with TRC.

(b) The **BUYER** shall provide evidence on or before Closing as to the reasonable satisfaction of the **SELLER** that **SELLER** will be named as an additional insured in the Liability Policy that **BUYER** purchases.

(7) Rezoning and Certified Survey Map. The approval by the Common Council of **CITY** of a rezoning of Property consistent with the Concept Plan, on or before November 6, 2006.

(8) **15th Avenue.** Fifteenth (15th) Avenue will be constructed by **BUYER** according to the Developers Agreement and City specifications.

In the event that the **BUYER'S** Conditions Precedent set forth above are not satisfied on or before the dates for the respective **BUYER'S** Conditions Precedent set forth above and **BUYER** does not elect to waive such **BUYER'S** Conditions Precedent, **BUYER** shall immediately deliver written notice to **SELLER** identifying the **BUYER'S** Conditions Precedent that have not been satisfied or waived ("Objection Notice"). **SELLER** will then have a period of thirty (30) days from the receipt of such Objection Notice in which **SELLER** may cure the problems that prevent the **BUYER'S** Conditions Precedent from being satisfied. Upon **SELLER'S** cure of such problems to the reasonable satisfaction of **BUYER**, such **BUYER'S** Conditions Precedent shall be deemed to be satisfied. If no Objection Notice is given during the time period specified above, then the **BUYER'S** Conditions Precedent shall be deemed waived.

b. **SELLER'S Condition Precedent.** Each and all of the obligations of **BUYER** to **SELLER** hereunder are subject, without limitation, to **SELLER'S** satisfaction or waiver in writing of each and all of the following Conditions Precedent to the Closing of the Property on or before the dates therefor set forth below ("**SELLER'S** Conditions Precedent").

7. **Closing Property. The Closing on the Property shall occur on or before December 29, 2006.**

8. **SELLER'S Representations and Warranties. SELLER** hereby represents and warrants to **BUYER** as follows, each of which representations and warranties shall survive the Closings.

a. **SELLER Matters. SELLER** is duly organized, validly existing, and in good standing under the laws of the State of Wisconsin, with full right, power, and authority to enter into this Contract and to perform all obligations of **SELLER** hereunder. This Contract, the Deed, and all other documents to be executed and delivered by **SELLER** in connection with the transaction contemplated hereby, do and shall constitute the valid and legally binding agreements of **SELLER**, enforceable in accordance with their respective terms. Neither the consummation of the transaction contemplated hereby, nor the compliance by **SELLER** with the terms hereof, will result in a breach of any term or condition of or constitute a default under the terms of any instrument or agreement to which **SELLER** is a party, or by which **SELLER** may be bound, nor will the same result in any violation of any applicable statute, law, ordinance, judgment, order, rule or regulation. There are no suits filed or claims made, pending or threatened against **SELLER** or the Property that in any way jeopardize the ability of **SELLER** to perform its obligations hereunder. **SELLER** has not filed any petition, nor has any petition been filed against **SELLER**, in bankruptcy or insolvency or for reorganization or for the appointment of a receiver, custodian, or trustee or for the arrangement of debts, nor is **SELLER** or the Property the subject of any such action. **SELLER** is not insolvent, nor will it be rendered insolvent, by consummation of the transaction contemplated hereby.

b. **Violations. SELLER** agrees to indemnify and hold **BUYER** harmless from and against any and all liability, loss, cost, or expense arising in connection with any matter which is not as so represented and warranted, and **BUYER** shall not have the duty to close if it has reason to believe that any of such representations and warranties are not true, accurate, and complete on and as of any Closing.

9. BUYER'S Representations and Warranties. **BUYER** hereby represents and warrants to **SELLER** as follows, each of which representations and warranties shall survive the Closings:

a. BUYER Matters. **BUYER** is duly organized, validly existing, and in good standing under the laws of the State of Wisconsin, with the full right, power, and authority to enter into this Contract and to perform all obligations of **BUYER** hereunder. This Contract and all other documents to be executed and delivered by **BUYER** in connection with the transaction contemplated hereby do and shall constitute the valid and legally binding agreements of **BUYER**, enforceable in accordance with their respective terms. Neither the consummation of the transaction contemplated hereby nor the compliance by **BUYER** with the terms hereof will result in a breach of any term or condition of or constitute a default under the terms of any instrument or agreement to which **BUYER** is a party or by which **BUYER** may be bound, nor will the same result in any violation of any applicable statute, law, ordinance, judgment, order, rule, or regulation. There are no suits filed or claims made, pending, or threatened against **BUYER** that in any way jeopardize the ability of **BUYER** to perform its obligations hereunder. **BUYER** has not filed any petition, nor has any petition been filed against **BUYER**, in bankruptcy or insolvency or for reorganization or for the appointment of a receiver, custodian, or trustee or for the arrangement of debts, nor is **BUYER** the subject of any such action. **BUYER** is not insolvent nor will it be rendered insolvent by consummation of the transaction contemplated hereby.

b. Violations. **BUYER** agrees to indemnify and hold **SELLER** harmless from and against any and all liability, loss, cost or expense arising in connection with any matter which is not as so represented and warranted, and **SELLER** shall not have the duty to close if it has reason to believe that any of such representations and warranties are not true, accurate, and complete on and as of any Closing.

10. SELLER'S Agreements. **SELLER** hereby agrees as follows, each of which agreements shall survive Closing.

a. Satisfaction of Contingencies. **SELLER** shall use reasonable efforts to satisfy the contingencies contained in Section 6.a.

b. Access and Assistance. **SELLER** shall, between the execution of this Contract and the Closing for the Property or the prior termination of this Contract, assist **BUYER** in such manner and to such extent as **BUYER** shall request in providing information reasonably required for purposes of developing the Property. If **BUYER** requests such assistance, **SELLER** need not incur any costs or expenses in connection therewith unless **BUYER** agrees to reimburse such costs or expenses. To the extent reasonably necessary for **BUYER'S** satisfaction of the conditions set forth in Section 6.a., **BUYER** shall have access to all information relating to the Property in **SELLER'S** possession, or reasonably available to **SELLER**, at all times prior to the Closing for the Property.

c. Closing Documents. **SELLER** shall enter into and deliver to **BUYER** at the Closing for the Property the following documents:

(1) Deed. The Deed to the Property as more fully provided in Section 3.

(2) FIRPTA Affidavit. An affidavit pursuant to Section 1445 of the Internal Revenue Code certifying that **SELLER** is not a foreign person or entity as defined in such

Internal Revenue Code section. If **SELLER** is a foreign entity, **BUYER** may withhold such amount from the Purchase Price as is required by such Internal Revenue Code section.

(3) Transfer Tax Returns or Similar Forms. Transfer tax returns or other similar forms as are required by Wisconsin law.

(4) Affidavits and Other Certifications. Affidavits and other certifications as may be reasonably requested by **BUYER** or the Title Company insuring title to more fully vest title to the Property in **BUYER** and to permit the Title Company to issue its title insurance policy free in accordance with Section 5.

(5) Closing Statement. Closing Statement setting forth all debits and credits to **BUYER** and **SELLER** in connection with the Closing for the Property.

(6) Form 1099-S. Form 1099-S which may be submitted to the Internal Revenue Service to report **SELLER'S** sale of the Property.

(7) Reconfirmation. Reconfirmation of its warranties and representations set forth in Section 8.

(8) Assignment and Assumption Agreement. An Assignment and Assumption Agreement in accordance with Section 2.b. and 2.c. of the Remediation Contract.

11. BUYER'S Agreements. **BUYER** hereby agrees as follows, each of which agreements shall survive the Closing:

a. Satisfaction of Contingencies. **BUYER** shall use reasonable best efforts to satisfy the **BUYER's** Conditions Precedent contained in Section 6.

b. Closing Documents. At the Closing, **BUYER** shall deliver the following to **SELLER**:

(1) Payment of Purchase Price. Payment of the amount owing to **SELLER** for the purchase of Property pursuant to Section 2.

(2) Closing Statement. Closing Statement setting forth the debits and credits to **BUYER** and **SELLER** in connection with the Closing of the Property.

(3) Reconfirmation. Reconfirmation of its representations and warranties set forth in Section 8.

(4) Assignment and Assumption Agreement. An Assignment and Assumption Agreement in accordance with Section 2.b. and 2.c. of the Remediation Contract.

12. Legal Possession. Legal possession and physical occupancy of the Property shall be delivered to **BUYER** at the Closing.

13. Indemnification.

a. **BUYER.** **BUYER** shall indemnify and hold **SELLER** harmless from and against all suits, causes of action, damages, liabilities or other obligations, (together with all costs, expenses and disbursements of any nature incurred by **SELLER**), resulting from any warranties and representations made hereunder being false, **BUYER** failing to comply with any of its agreements, the negligence of **BUYER** or its agents, employees or consultants relating to **BUYER'S** due diligence activities or any conditions on Property created by **BUYER**.

b. **SELLER.** **SELLER** shall indemnify and hold **BUYER** harmless from and against all suits, causes of action, damages, liabilities or other obligations (together with all costs, expenses and disbursements of any nature incurred by **BUYER**), resulting from any

warranties and representations made hereunder being false or **SELLER** failing to comply with any of its agreements.

14. Transfer of Property and Deed Restriction. **BUYER** shall use Property only for educational purposes, and shall not sell, transfer, assign, or convey its interest in the Property without prior written consent of **SELLER**.

15. Insurance. Prior to entry onto the Property, **BUYER** shall provide **SELLER** with written evidence of public liability insurance which shall be provided by an insurance company rated A12 or better by the current Best's Key Rating Guide and shall be licensed to do business in the State of Wisconsin. Such insurance policies may be under the name of Kenosha Unified School District, No. 1, and shall name **SELLER** as an additional insured and shall insure against injury to property, persons or loss of life arising in connection with the Property and its Development in an amount of not less than Two Million ($2,000,000.00) Dollars, combined single limit per occurrence/aggregate, plus an umbrella policy of not less than Three Million ($3,000,000.00) Dollars. Such insurance shall be written on an "occurrence" basis and not on a "claims made" basis. In the event the Property is sold, transferred, assigned or otherwise conveyed to a Development Entity or other third party (collectively, the "Transferee", prior to the issuance of a Certificate of Completion for the Property, the Transferee shall be responsible for satisfying the obligations of this Paragraph. The obligation to provide the insurance coverage as set forth in this Section shall be a continuing obligation of **BUYER** and Transferee, which obligation shall not be merged into the Deed, and shall survive Closing and continue so long as **BUYER** and/or Transferee does any work on Property (including work done after the Closing). The obligation to provide insurance coverage as required in this Section shall terminate upon the completion of the development.

16. Broker. **BUYER** and **SELLER** hereby represent and warrant to the other party that they have not dealt with any real estate broker in connection with this transaction. Each party shall indemnify and hold the other harmless from its breach of these representations and warranties.

17. Notices. All notices and other communications required or permitted hereunder shall be in writing and by personal service, mailed in the United States mail, postage prepaid, certified mail, or overnight courier, addressed to **SELLER** or **BUYER**, as the case may be, at the address therefor set forth below, or at such other address as either party shall hereafter designate by like notice, which notices shall be deemed to have been given on the date received:

If to **SELLER**, then to:	Michael K. Higgins, City Clerk/Treasurer/Assessor, Municipal Building, Room 105, 625 - 52nd Street, Kenosha, Wisconsin 53140;
with a copy to:	City Attorney Patrick J. Sheehan, Municipal Building, Room 201, 625 - 52nd Street, Kenosha, Wisconsin 53140.

If to **BUYER**, then to:	Kenosha Unified School District, No. 1, 3600 - 52nd Street, Kenosha, Wisconsin 53144.
with a copy to:	Attorney David R. Barnes, 5027 Green Bay Road, Kenosha, Wisconsin 53142.

18. Modification. Neither this Contract nor any term or condition hereof may be modified or amended, except by an agreement in writing, executed and delivered by the party against whom enforcement of such modification or amendment is sought.

19. Successors; Assigns. This Contract and all of the terms and conditions hereof, and of the various instruments executed and delivered pursuant hereto shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. **BUYER** may not assign this Contract without the prior written consent of **SELLER**.

20. Headings. The headings of the sections and subsections of this Contract are for purposes of convenience only and shall in no way affect the construction of any of the terms or conditions hereof.

21. Time Is of the Essence. BUYER and **SELLER** agree that time is of the essence with respect to all dates set forth in this Contract.

22. Choice of Law and Forum. BUYER and **SELLER** agree that Wisconsin law will apply to this Contract and all disputes will be adjudicated in State Circuit Court in Kenosha County, Wisconsin or in District Court in Milwaukee County, Wisconsin.

23. Force Majeure. Neither party shall be liable for any failure of performance hereunder (excluding the failure to make payments when due) due to causes beyond its reasonable control and despite its reasonable efforts, including, without limitation, acts of God, fire, flood, strikes, lockouts, civil disturbance, order of any government, court or regulatory body claiming jurisdiction, act of public enemy, war, riot, sabotage, blockage, embargo, or material shortage, tornado or other natural disaster. In the case of the occurrence of an event of force majeure, the dates and schedules specified hereunder shall be suspended until such event can be remedied.

24. Agreements That Survive The Closing(s). The Agreements in the following paragraphs shall survive the Closing(s) to the extent necessary to fulfill their purpose: Paragraphs 14, 18, 20, 24, 27 and 28.

25. Exhibits. The following Exhibits are attached hereto and incorporated herein by reference:

a. Exhibit "A" - General Property Description -- Certified Survey Map.
b. Exhibit "B" - Concept Plan.
c. Exhibit "C" - Deed Restriction.

26. Effective Date. This Contract shall be in effect upon approval and execution

by **SELLER** and **BUYER**. This Contract shall be effective on the date of last execution (the "Effective Date").

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed by their duly authorized officers, sealed, and delivered as of the day and year first above written.

BUYER:

KENOSHA UNIFIED SCHOOL DISTRICT, NO. 1, A Common School District

BY: R Scott Pierce
DR. R. SCOTT PIERCE,
Superintendent of Schools
Date: 11-28-06

BY: B E Englund
BERNARD E. ENGLUND, Clerk
Kenosha School Board
Date: 11-28-06

STATE OF WISCONSIN)
:SS.
COUNTY OF KENOSHA)

Personally came before me this 28th day of November, 2006, **DR. R. SCOTT PIERCE, Superintendent of Schools,** and **BERNARD E. ENGLUND, Clerk, Kenosha School Board,** of the **KENOSHA UNIFIED SCHOOL DISTRICT, NO. 1,** a common school district, to me known to be such Superintendent and Clerk of said School District, and acknowledged to me that they executed the foregoing instrument as such officers as the Agreement of said School District, by its authority.

Stacy Schroeder Busey
Notary Public, Kenosha County, WI.
My Commission expires/is: 7/25/10

SELLER:

CITY OF KENOSHA, WISCONSIN,
A Municipal Corporation

BY: _____
JOHN M. ANTARAMIAN, Mayor
Date: December 27, 2006

BY: _____
MICHAEL J. HIGGINS,
City Clerk/Treasurer/Assessor
Date: December 27, 2006

STATE OF WISCONSIN)
:SS.
COUNTY OF KENOSHA)

Personally came before me this 27th day of December, 2006, **JOHN M. ANTARAMIAN, Mayor,** and **MICHAEL K. HIGGINS, City Clerk/Treasurer/Assessor** of the **CITY OF KENOSHA, WISCONSIN,** Wisconsin municipal corporation, to me known to be such Mayor and City Clerk/Treasurer/Assessor of said municipal corporation, and acknowledged to me that they executed the foregoing instrument as such officers as the Agreement of said City, by its authority.

_____
Robin Ingrouille
Notary Public, Kenosha County, WI.
My Commission expires/is: 11/04/2007

COUNTERSIGNED:

BY: _____
CAROL STANCATO, Finance Director
Date: 12/27/06

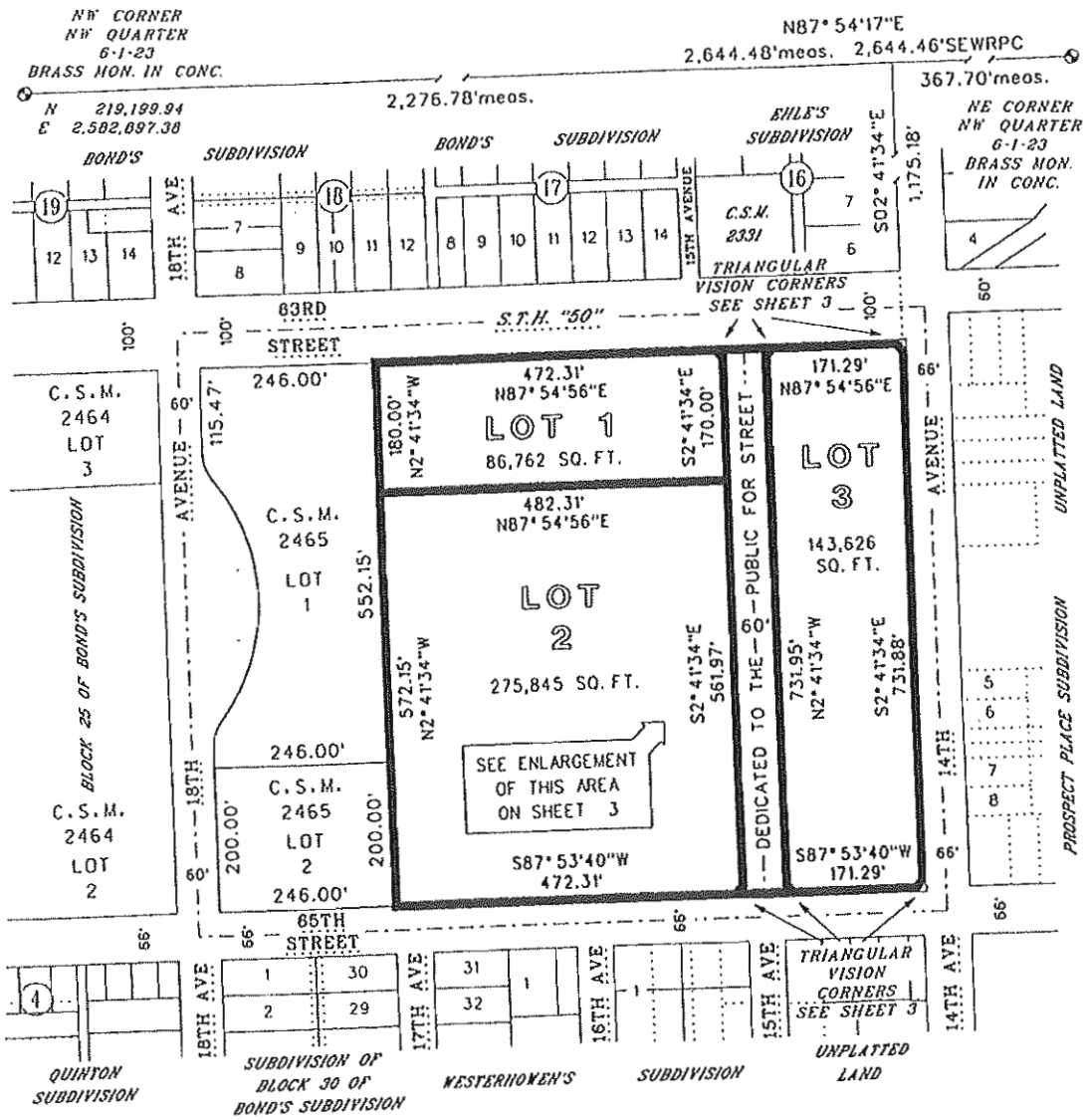
APPROVED AS TO FORM:

BY: _____
PATRICK J. SHEEHAN, City Attorney
Date: _____

Drafted By:
MOLLY E. HALL,
Assistant City Attorney

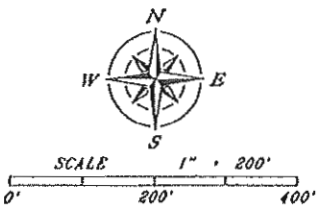
CERTIFIED SURVEY MAP No. _____

BEING A RE-DIVISION OF ALL OF LOT 3 OF CERTIFIED SURVEY MAP 2465 IN BLOCK 26 OF BOND'S SUBDIVISION, AND BEING A PART OF THE NORTHWEST QUARTER OF SECTION 6, TOWN 1 NORTH, RANGE 23 EAST OF THE FOURTH PRINCIPAL MERIDIAN, IN THE CITY OF KENOSHA, KENOSHA COUNTY, WISCONSIN



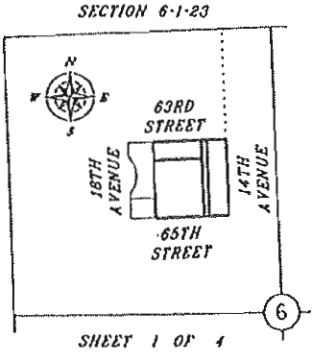
SHEETS 1, 2 AND 3 CONSTITUTE THE FACE OF THIS SURVEY

SEE LEGEND - SHEET 2



NORTH ARROW AND BEARINGS ON THIS PLAT REFER TO GRID NORTH, WISCONSIN STATE PLANE CO-ORDINATE SYSTEM, SOUTH ZONE

LOCATION SKETCH
NORTHWEST QUARTER
SECTION 6-1-23



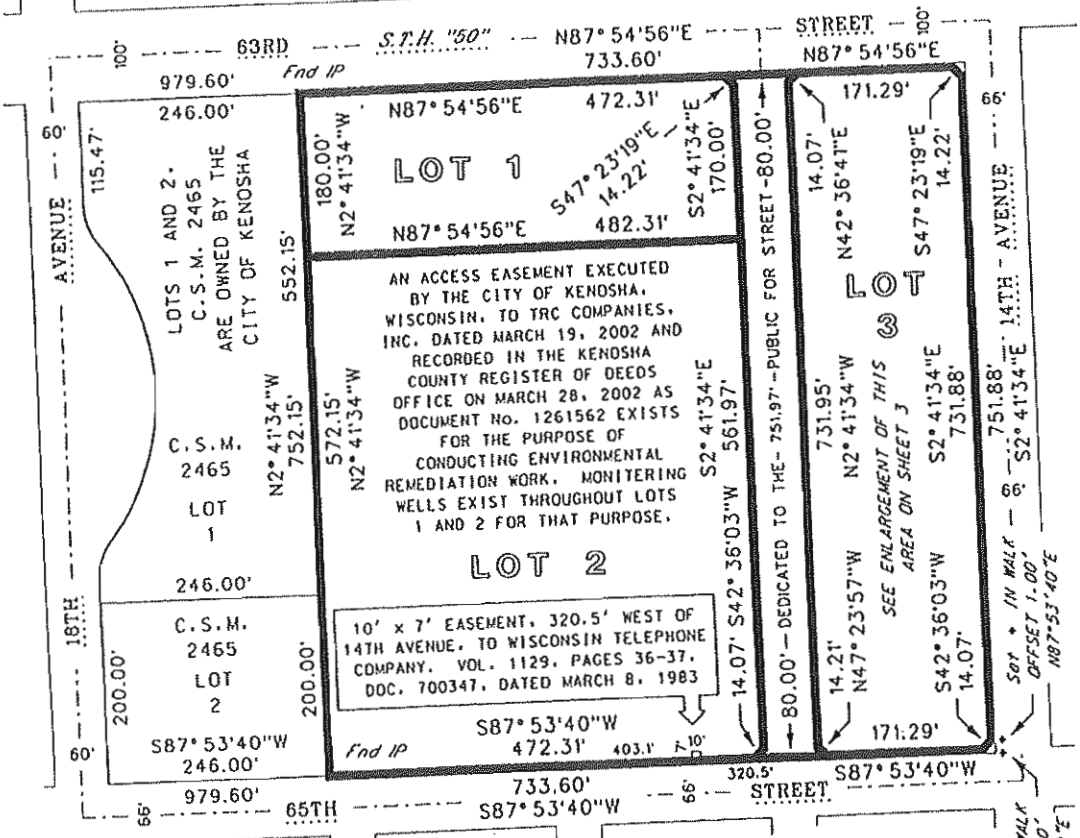
WISCONSIN
Kenneth L. Kanyuh
S-2189
KENOSHA, WIS.
LAND SURVEYOR

EXHIBIT
" A "

KENNETH L. KANYUH SEPTEMBER 19, 2006
WI. REGISTERED LAND SURVEYOR No. S-2189
CITY OF KENOSHA PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION PHONE 262-653-4050

CERTIFIED SURVEY MAP No._____

THIS PROPOSED C.S.M. IS ALL OF KENOSHA COUNTY TAX PARCEL No. 05-123-06-277-004



NOTE

NO DEVELOPMENT SHALL TAKE PLACE ON LOTS 1, 2 OR 3 UNTIL A STORMWATER DRAINAGE PLAN IS SUBMITTED TO, AND APPROVED BY, THE CITY OF KENOSHA DEPARTMENTS OF CITY DEVELOPMENT AND PUBLIC WORKS - ENGINEERING

LEGEND

⊕ DENOTES WISCONSIN STATE PLANE CO-ORDINATE SYSTEM MONUMENT

+ DENOTES CROSSCUT IN CONCRETE SURFACE

∘ DENOTES 1" DIA. x 18" IRON PIPE, WEIGHT 1.13 LBS/LIN. FT.

Fnd DENOTES FOUND MONUMENT

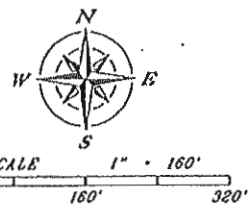
[MONUMENTS CALLED OUT AS "Fnd" WERE SET PREVIOUSLY FOR JAN. 15, 2004 SURVEY BY THIS OFFICE]

ALL CORNERS HAVE BEEN MONUMENTED WITH 1" DIA. x 18" IRON PIPE, WEIGHT 1.13 LBS/LIN. FT. EXCEPT AS OTHERWISE SHOWN

ADDITIONAL INFORMATION

SEE JAN. 15, 2004 PLAT OF SURVEY BY THIS OFFICE FOR LIST OF REFERENCE SURVEYS USED

SEE ALSO JAN. 30, 2004 (REV. 3-15-04) ALTA/ACSM LAND TITLE SURVEY BY THIS OFFICE FOR ADDITIONAL INFORMATION



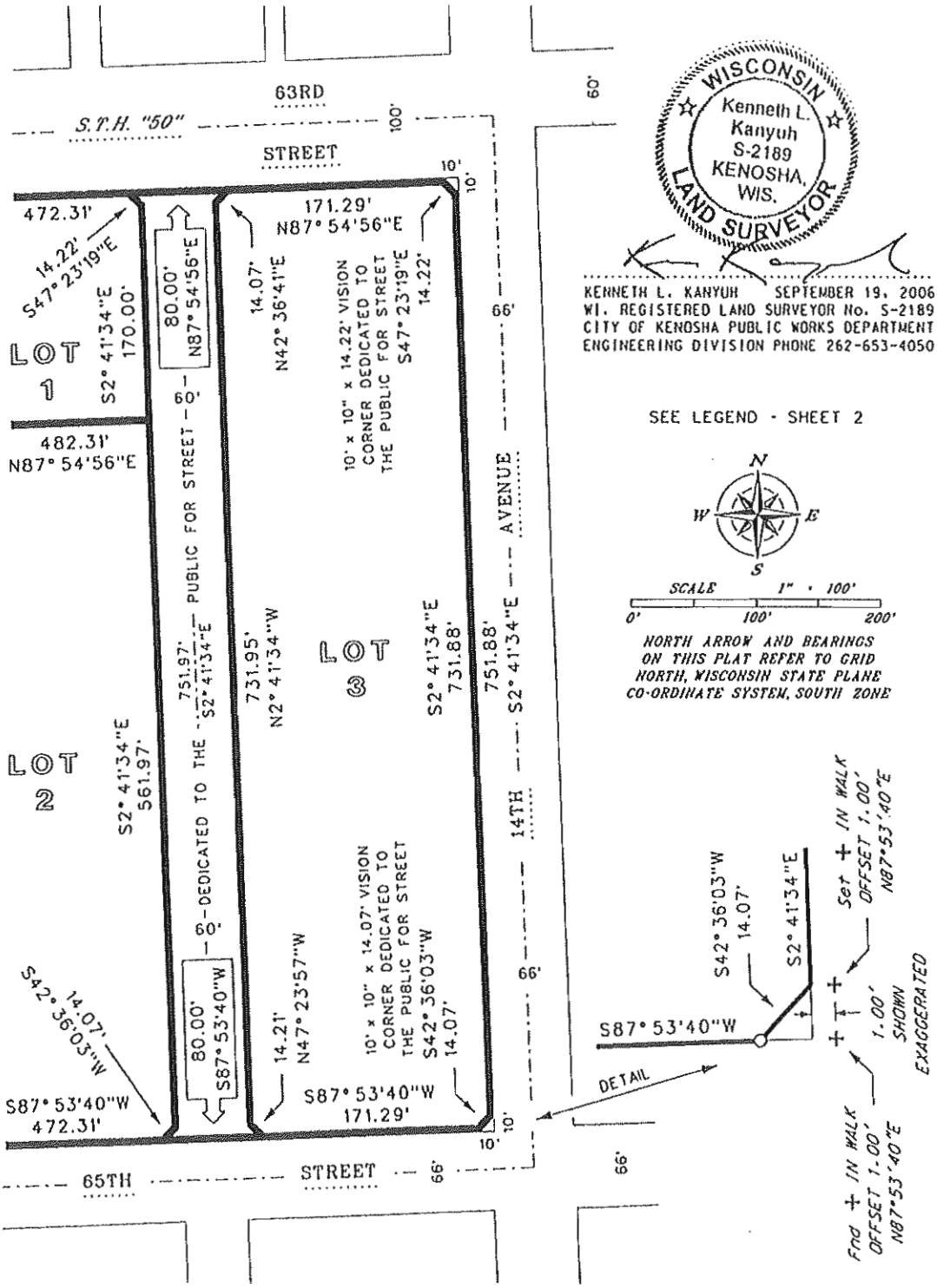
NORTH ARROW AND BEARINGS ON THIS PLAT REFER TO GRID NORTH, WISCONSIN STATE PLANE CO-ORDINATE SYSTEM, SOUTH ZONE

WISCONSIN
Kenneth L. Kanyuh
S-2189
KENOSHA, WIS.
LAND SURVEYOR

KENNETH L. KANYUH SEPTEMBER 19, 2006
WI. REGISTERED LAND SURVEYOR No. S-2189
CITY OF KENOSHA PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION PHONE 262-653-4050

CERTIFIED SURVEY MAP No._____

BEING A RE-DIVISION OF ALL OF LOT 3 OF CERTIFIED SURVEY MAP 2465 IN BLOCK 26 OF BOND'S SUBDIVISION, AND BEING A PART OF THE NORTHWEST QUARTER OF SECTION 6, TOWN 1 NORTH, RANGE 23 EAST OF THE FOURTH PRINCIPAL MERIDIAN, IN THE CITY OF KENOSHA, KENOSHA COUNTY, WISCONSIN



WISCONSIN
Kenneth L. Kanyuh
S-2189
KENOSHA, WIS.
LAND SURVEYOR

KENNETH L. KANYUH SEPTEMBER 19, 2006
WI. REGISTERED LAND SURVEYOR No. S-2189
CITY OF KENOSHA PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION PHONE 262-653-4050

SEE LEGEND - SHEET 2

N
W E
S

SCALE 1" = 100'
0' 100' 200'

NORTH ARROW AND BEARINGS ON THIS PLAT REFER TO GRID NORTH, WISCONSIN STATE PLANE CO-ORDINATE SYSTEM, SOUTH ZONE

CERTIFIED SURVEY MAP No._____

I, Kenneth L. Kanyuh, a registered land surveyor, do hereby certify that I have surveyed, divided and mapped all of Lot 3 of Certified Survey Map 2465, being a part of Block 26 of Bond's Subdivision, a recorded subdivision with the Kenosha County Register of Deeds Office, said Block being in the Northwest Quarter of Section 6, Town 1 North, Range 23 East of the Fourth Principal Meridian in the City of Kenosha, Kenosha County, Wisconsin, the exterior boundaries of which are described as follows: Commencing at the northwest corner of said Quarter Section; thence North 87°54'17" East along the north line of said Quarter Section, 2,276.78 feet; thence South 2°41'34" East, 1,175.18 feet to the northeast corner of said Lot 3 and the point of beginning; thence continuing South 2°41'34" East along the west line of 14th Avenue, 751.88 feet to the north line of 65th Street; thence South 87°53'40" West along said north line, 733.60 feet to the east line of Lot 2 of Certified Survey Map 2465; thence North 2°41'34" West along the east line of Lots 1 and 2 of said certified survey map, 752.15 feet to the present south line of 63rd Street, also known as State Trunk Highway "50"; thence North 87°54'56" East along said south line, 733.60 feet to the point of beginning. This description containing 551,648 square feet or 12.664 acres of land, more or less.

That I have complied with the provisions of Chapter 236.34 of the State Statutes on certified surveys and the subdivision regulation of the City of Kenosha. Dated this 19th day of September, 2006.

WISCONSIN
Kenneth L. Kanyuh
S-2189
KENOSHA, WIS.
LAND SURVEYOR

KENNETH L. KANYUH
WI. REGISTERED LAND
SURVEYOR No. S-2189 _____

AS OWNER, The City of Kenosha, Inc., a municipal body corporate, a corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, does hereby certify that said corporation has caused the lands described on this plat to be surveyed, divided and mapped as represented on this plat. This plat is required by s.236.10 or 236.12 to be submitted to the Common Council of the City of Kenosha for approval or objection.

THE CITY OF KENOSHA, INC.

_____ _____

MAYOR JOHN M. ANTARAMIAN CITY CLERK MICHAEL HIGGINS

STATE OF WISCONSIN
KENOSHA COUNTY S.S.

Personally came before me this _____ day of _____, 2006 the above named John M. Antaramian and Michael Higgins, to me known to be the person(s) who executed the foregoing instrument and acknowledge the same.

My Commission Expires _____ NOTARY PUBLIC _____

Resolved that this Certified Survey Map has been submitted to and approved by the Common Council of the City of Kenosha on this _____ day of _____, 2006.

_____ _____

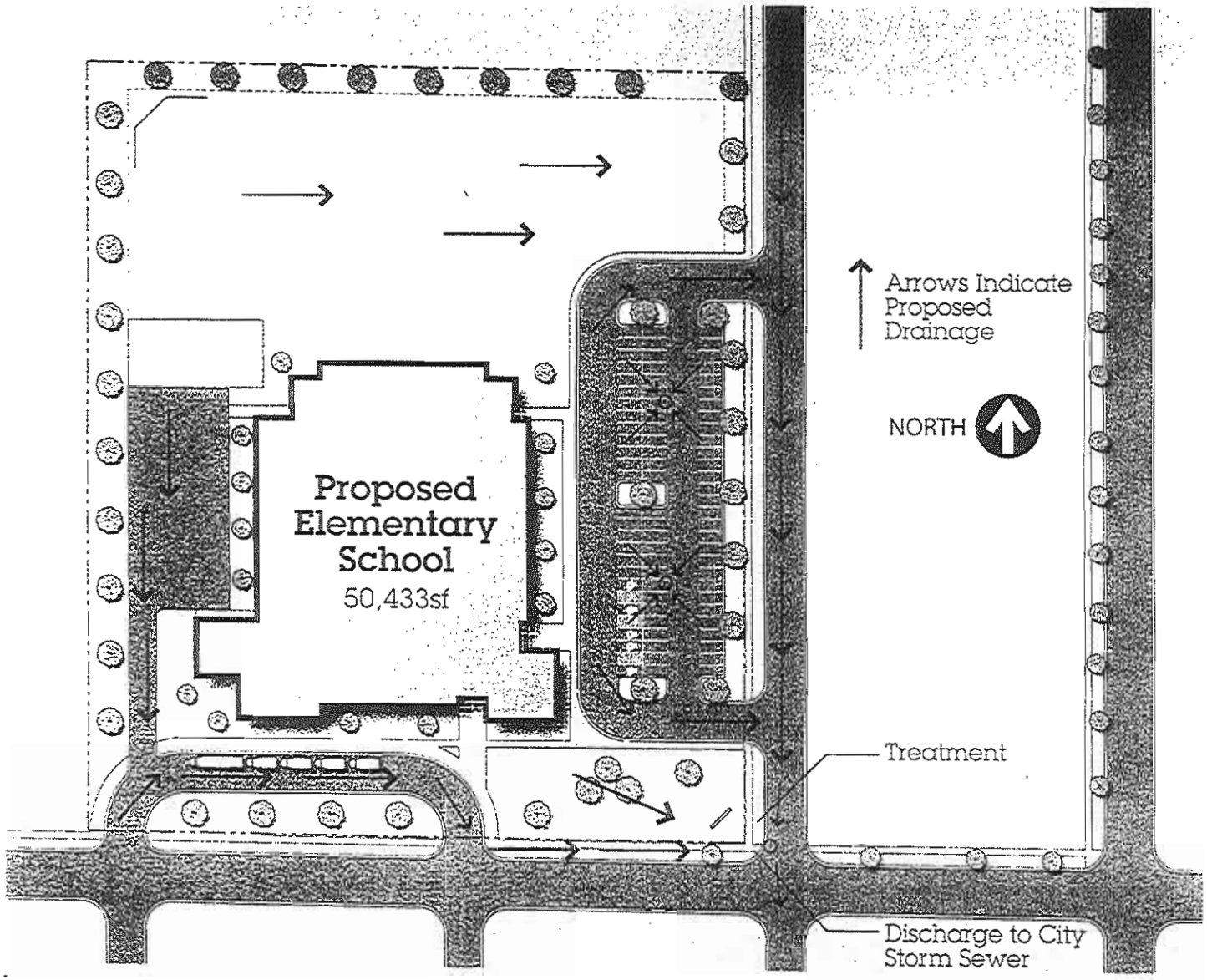
MAYOR JOHN M. ANTARAMIAN CITY CLERK MICHAEL HIGGINS

Site Plan

PARTNERS IN DESIGN
ARCHITECTS
pdarch.com

KENOSHA UNIFIED SCHOOL DISTRICT NO. 1

EXHIBIT "B"



Bre Site School

306797

THIS INDENTURE, Made this 25th day of August A.D. 1958, between SIMMONS COMPANY, a corporation duly organized, existing and doing business under and by virtue of the laws of the state of Delaware, and duly licensed to transact business in the state of Wisconsin, with an office and place of business at the City of Kenosha, Wisconsin, party of the first part, and CITY OF KENOSHA, a municipal corporation in the county of Kenosha and state of Wisconsin, party of the second part,

W I T N E S S E T H :

WHEREAS, the party of the first part conveyed to the party of the second part the following described real estate, situated in the county of Kenosha and state of Wisconsin, to-wit:

> Part of the northeast quarter of section number seven (7), in town number one (1) north, of range number twenty-three (23) east of the fourth principal meridian, and particularly described as follows, to wit: Commence at the point on the east line of Sheridan Road (so-called), which is one thousand twenty-five (1025) feet north of the south line of said quarter section, and which point is also the southwest corner of the parcel of land conveyed to the party of the first part herein by deed of conveyance recorded in the office of the register of deeds for Kenosha county, Wisconsin, in volume "93" of Deeds, on page 84; thence east, parallel with the south line of said quarter section five hundred twenty (520) feet; thence north parallel with the east line of Sheridan Road four hundred fifty (450) feet; thence west parallel with the south line of said quarter section to the east line of Sheridan Road and to a point which is four hundred fifty (450) feet north of the place of beginning; thence south along the east line of Sheridan Road four hundred fifty (450) feet to the point of beginning, and lying and being in the city of Kenosha, county of Kenosha and state of Wisconsin.

by Warranty Deed dated April 22nd, 1947 and recorded in the office of the Register of Deeds for and in Kenosha county, Wisconsin in Vol. 301 of Deeds, pages 380-384 as Document No. 295189; and,

EXHIBIT "C"

WHEREAS, the party of the first part made said conveyance subject to certain express conditions, restrictions and reservations set forth in said Warranty Deed as follows:

1. The City of Kenosha shall act with reasonable diligence to improve said property with grandstands and lighting equipment and other necessary facilities in order to make it a suitable park for baseball, football and other recreational activities, for the benefit of the people of the city of Kenosha and of the general public, and to maintain the same for such continued use.

2. The City of Kenosha shall build no fences or hedges or erect any other form of barrier upon either the eastern or northern boudary lines of the premises hereby conveyed.

3. The City of Kenosha shall at its own cost and expense move the building known as the "caretaker's house", located on the demised premises to such place on the adjoining property of the party of the first part herein as said party of the first part may designate; such removal to include the excavation and construction of a basement by said City of Kenosha and the installation of all necessary water, sewer, gas, and electric lines, equivalent in all respects to its present facilities; and shall likewise cover full indemnification to the grantor for any loss or damage to persons or property resulting from the removal and relocation of such building and the installation to be made as aforesaid, or from fire or other hazard which may occur during the progress of the work contemplated hereby

4. Simmons Company reserves the right to use the premises hereby conveyed for its recreational sports program at such time or times as the same are not in use or reserved for sports events or other recreational activity under authority of the City of Kenosha. During the time or times of use by Simmons Company, the cost of power consumed in using the lighting facilities erected or

constructed by the City of Kenosha on said premises shall be borne by Simmons Company.

5. This conveyance is made upon the express condition that in case the City of Kenosha fails to equip, use and maintain the property for recreational purposes as herein provided, then and in that case the above described land shall revert back to the party of the first part as if this conveyance had not been made.

WHEREAS, the party of the second part has requested to be relieved and released from all of the above set forth conditions, restrictions, reservations and reverter clause,

NOW, THEREFORE, the said party of the first part for one (1) dollar and other good and valuable consideration to it paid by said party of the second part, the receipt whereof is hereby confessed and acknowledged, does hereby release the said party of the second part from each and every condition, restriction, reservation, and reverter clause set forth in the above mentioned Warranty Deed and declares the same to be of no further force or effect in the same manner and to the same extent as though said Warranty Deed had never contained such conditions, restrictions, reservations, and reverter clause.

IN WITNESS WHEREOF, the said SIMMONS COMPANY, a Delaware corporation, party of the first part, has caused these presents to be signed by Grant G. Simmons, Jr., its _____ president, and countersigned by Arthur F. Worden, its Asst. secretary, at ~~New York, New York~~ Kenosha, Wisconsin, and its corporate seal to be hereunto affixed, this 25th day of August, A.D. 1958.

Signed and sealed in presence of:

SIMMONS COMPANY

By _____ President

Countersigned: _____ Asst. Secretary

STATE OF ~~NEW YORK~~ WISCONSIN)
KENOSHA ~~KINGS~~ COUNTY) SS.

VOL. 492 PAGE 625

Personally came before me, this 25th day of August A.D. 1958, Grant G. Simmons, Jr., _____ president, and _____ Arthur F. Worden, Asst. secretary, of SIMMONS COMPANY, the above named corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such _____ president and Asst. secretary of said corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said corporation, by its authority.

Melvin H. Shadel

Notary Public, ~~Kings~~ Kenosha County, ~~New York~~ Wisconsin

My commission expires: December 19, 1960

MELVIN H. SHADEL NOTARY PUBLIC KENOSHA COUNTY, WIS.

(CONSIDERATION FOR THIS INSTRUMENT - LESS THAN $100.00)

(THIS INSTRUMENT DRAFTED BY ROBERT V. BAKER, CITY ATTORNEY OF KENOSHA, WISCONSIN.)

REGISTER'S OFFICE } SS.
Kenosha County, Wis.
RECORDED AT 3:01 P M
on SEP 19 1958 in
Vol. 492 Records Page 622-25

Harold G. Schumacher
Register of Deeds

300

KENOSHA UNIFIED SCHOOL DISTRICT NO. 1

EDUCATIONAL SUPPORT CENTER
3600 52ND STREET • KENOSHA, WISCONSIN 53144-2697 • PHONE 262-359-6300
www.kusd.edu

October 22, 2009

Ms. Pamela Mylotta
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Dr.
Milwaukee, WI 53212

RE: The Brass Community School Site
1500 65th Street
Kenosha, WI
FID#: 230004390
BRRTS#: 02-30-199126

Dear Ms. Mylotta:

This letter is to certify that to the best of my knowledge the attached legal description submitted as part of the Geographic Information System (GIS) Registry Checklist for the above-referenced site is accurate.

If you have any questions please call Sean Cranley of ChemReport, Inc. at (262) 654-7020. Thank you.

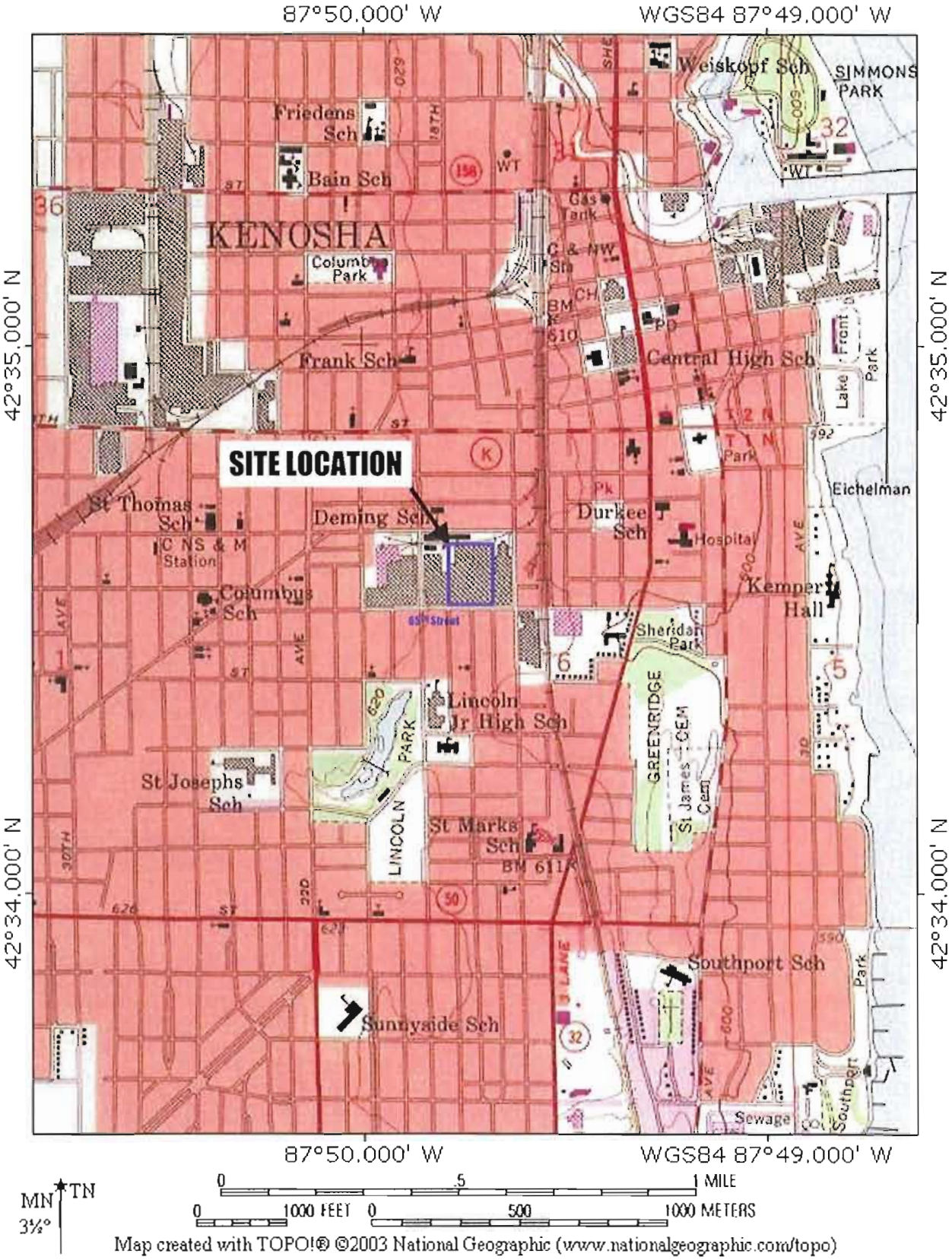
Sincerely,

Patrick M. Finnemore, P.E.
Director of Facilities

This legal description is an approximation, based upon verbal understandings. It is NOT intended to substitute a correct and accurate survey performed by a Wisconsin Registered Land Surveyor.

A part of the Northwest quarter of Section 6, Township 1 North, Range 23 East, of the 4th Principal Meridian lying and being in the City of Kenosha, County of Kenosha, Wisconsin and being more particularly described as follows:

Commencing at the Southeast corner of Certified Survey Map #2465, a plat of record and on file at the Kenosha County Register of Deeds as Document #1424977, thence west along the south line of said CSM approximately 246 feet to a point which is the intersection of said south line and the west line, extended, of 15th Avenue and the Point of the Beginning. Thence continuing West along said south line approximately 487 feet to a point which is the intersection of said south line and the west line, extended, of 17th Avenue; thence North along the extension of the West line of 17th Avenue approximately 572 feet; thence East parallel to the south line of said CSM #2465 approximately 488 feet to a point along the West line of 15th Avenue, extended; thence south along the extension of said 15th Avenue approximately 572 feet to the south line of said CSM #2465 and the point of the beginning, containing approximately 6.5 Acres of land, more or less.



Site Location Map

Project Number	Figure
010406-1	1
Date Drawn: 3/22/07	
Scale: Not Scaled	1 of 8
Drawn By: Sean Cranley	

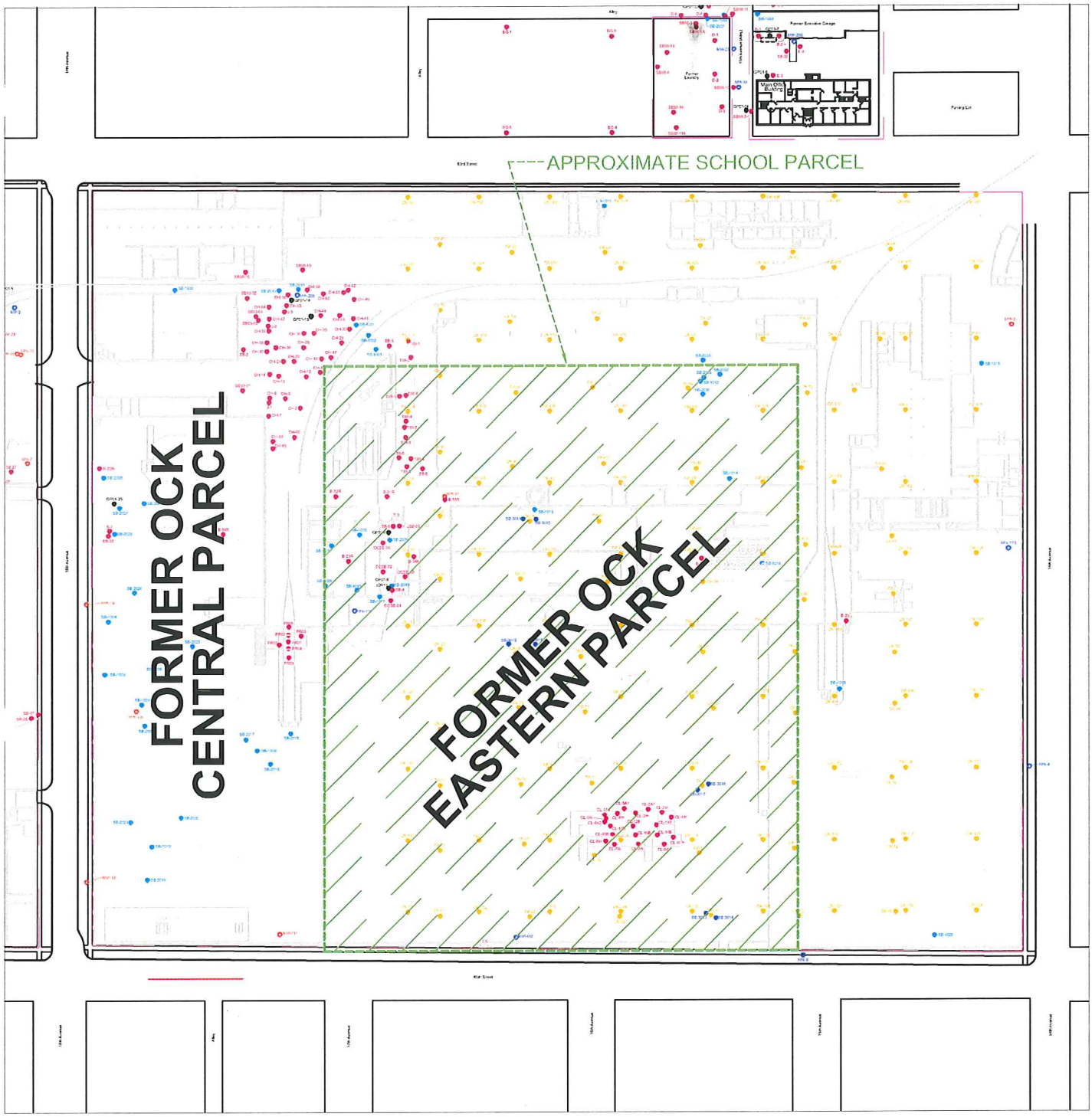
Project Title and Address

FIGURE 1
SITE LOCATION MAP

The Brass Community School Site
6400 15th Avenue
Kenosha, WI

ChemReport®
Environmental & Safety Engineers
4515 Wash. Rd. • Kenosha, WI 53144
(800) 697-8080 www.chemreport.com

Kenosha • Wisconsin



NORTH

NOTE

BASE MAP PROVIDED BY TRC

SCALE: 1" = 150'

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

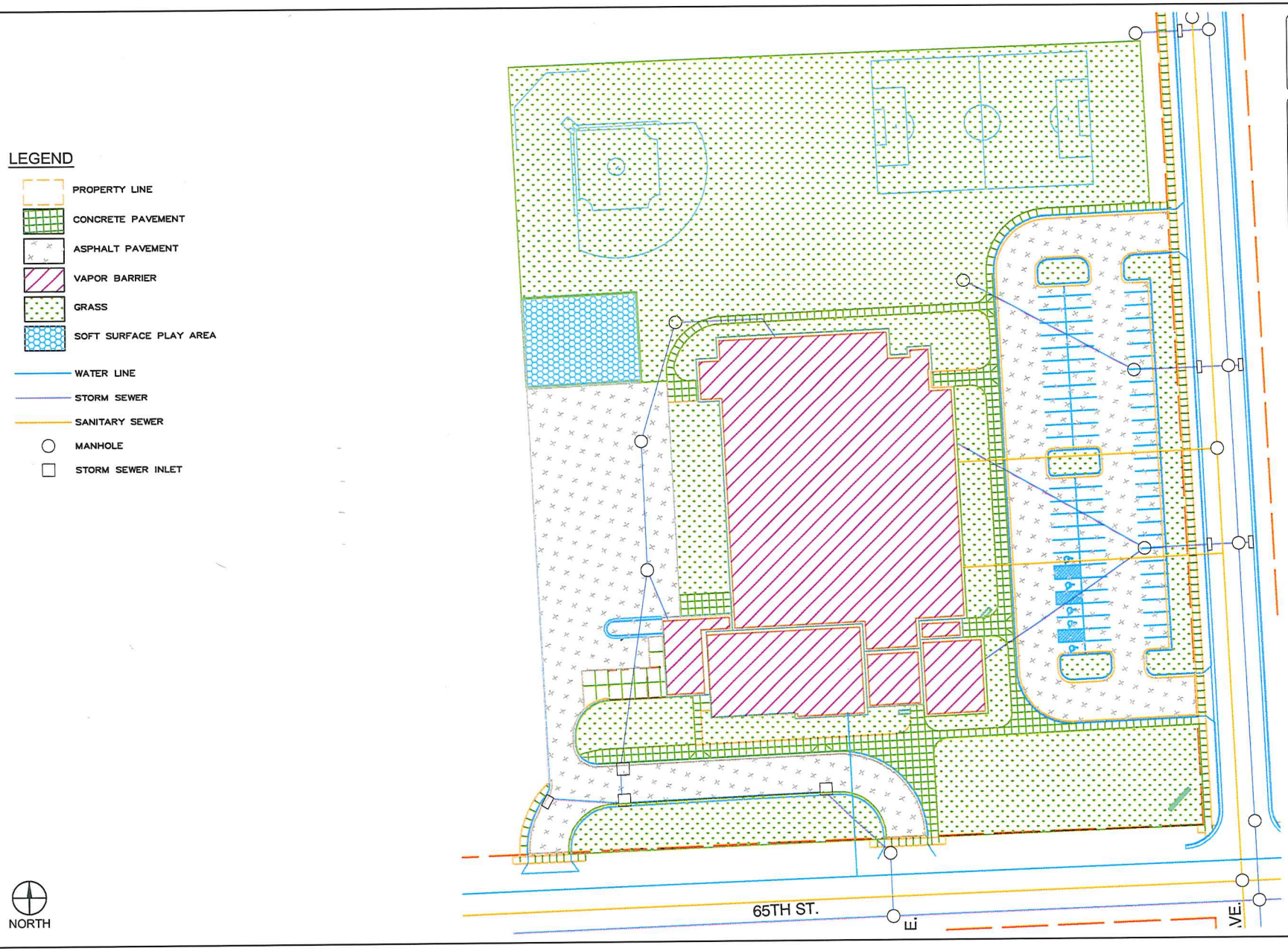
FORMER CENTRAL AND EASTERN OCK PARCELS AND SCHOOL SITE

6400 15th AVE

KENOSHA, WI

4515 Washington Road
Kenosha, WI 53144
800-965-5323
engineer@chemreport.com

Approved By:	S. CRANLEY
Date Approved:	10/30/09
Date Drawn:	10/30/09
Drawn by:	R. SCHWARTZ
Figure	2
	2 of 7



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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

SITE CONFIGURATION AND FINAL SITE SURFACE MAP

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Figure 3
Date Approved: 10/30/09	
Date Drawn: 10/30/09	3 of 17
Drawn by: R. SCHWARTZ	

LEGEND

= NON-INDUSTRIAL DIRECT CONTACT RCL EXCEEDED BY ONE OR MORE CONTAMINANTS

= INDUSTRIAL DIRECT CONTACT RCL EXCEEDED BY ONE OR MORE CONTAMINANTS

= SOIL SAMPLING LOCATION, CITY OF KENOSHA 2003

= APPROXIMATE SCHOOL PARCEL

NORTH

SCALE: 1" = 100'

NOTE

PAH = POLYNUCLEAR AROMATIC HYDROCARBONS

RLC = RESIDUAL CONTAMINANT LEVEL

ARSENIC CONSIDERED TO BE WITHIN NATURALLY OCCURING LEVELS AND IS THEREFORE EXCLUDED

BASE MAP PROVIDED BY TRC

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

PRE-REMEDIAL METALS AND PAH DIRECT CONTACT RCL EXCEEDANCES, 0 - 4 FOOT DEPTH

6400 15th AVE

KENOSHA, WI

Approved By:	S. CRANLEY
Date Approved:	11/02/09
Date Drawn:	11/02/09
Drawn by:	R. SCHWARTZ
Figure	4
	4 of 7

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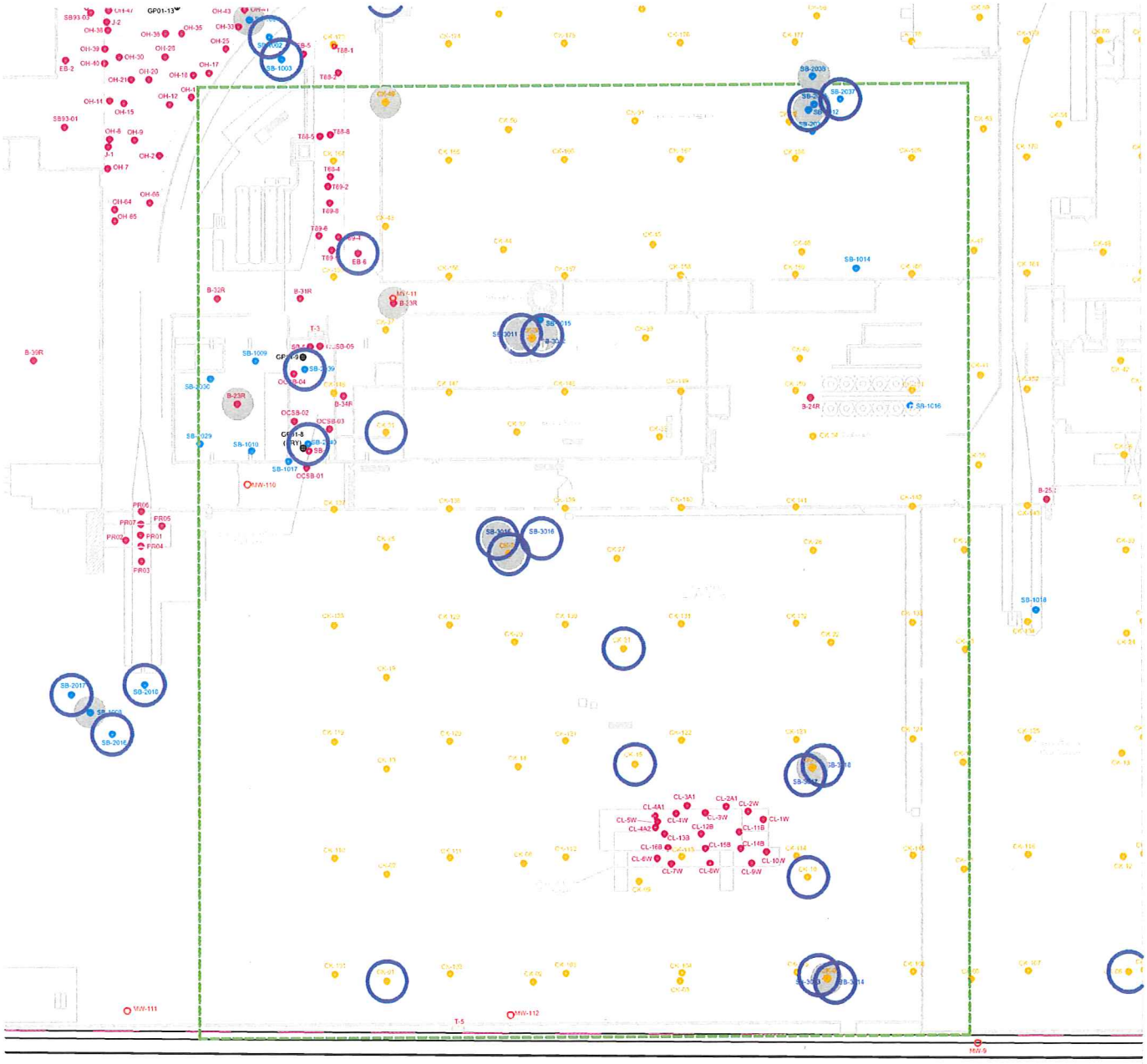

LEGEND

- SOIL SAMPLING LOCATION, HISTORICAL
- SOIL SAMPLING LOCATION, 2003
- SOIL SAMPLING LOCATION, CITY OF KENOSHA 2003
- SOIL SAMPLING LOCATION, CONFIRMATION
- SOIL SAMPLING LOCATION 2004
- GSI 2001 GEOPROBE LOCATION
- MONITORING WELL, REMOVED
- LOCATION WHERE CVOCS ARE PRESENT IN SOIL
- LOCATION WHERE PVOCS ARE PRESENT IN SOIL
- STRUCTURE, FORMER
- APPROXIMATE SCHOOL PARCEL

NORTH

SCALE: 1" = 100'

NOTE

VOCS = VOLATILE ORGANIC COMPOUNDS

CVOCS = CHLORINATED VOLATILE ORGANIC COMPOUNDS

PVOC's = PETROLEUM RELATED VOLATILE ORGANIC COMPOUNDS

BASE MAP PROVIDED BY TRC

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

PRE-REMEDIAL VOCS IN SOIL

6400 15th AVE

KENOSHA, WI

Approved By:	S. CRANLEY
Date Approved:	11/02/09
Date Drawn:	11/02/09
Drawn by:	R. SCHWARTZ
Figure	5
	5 of 7

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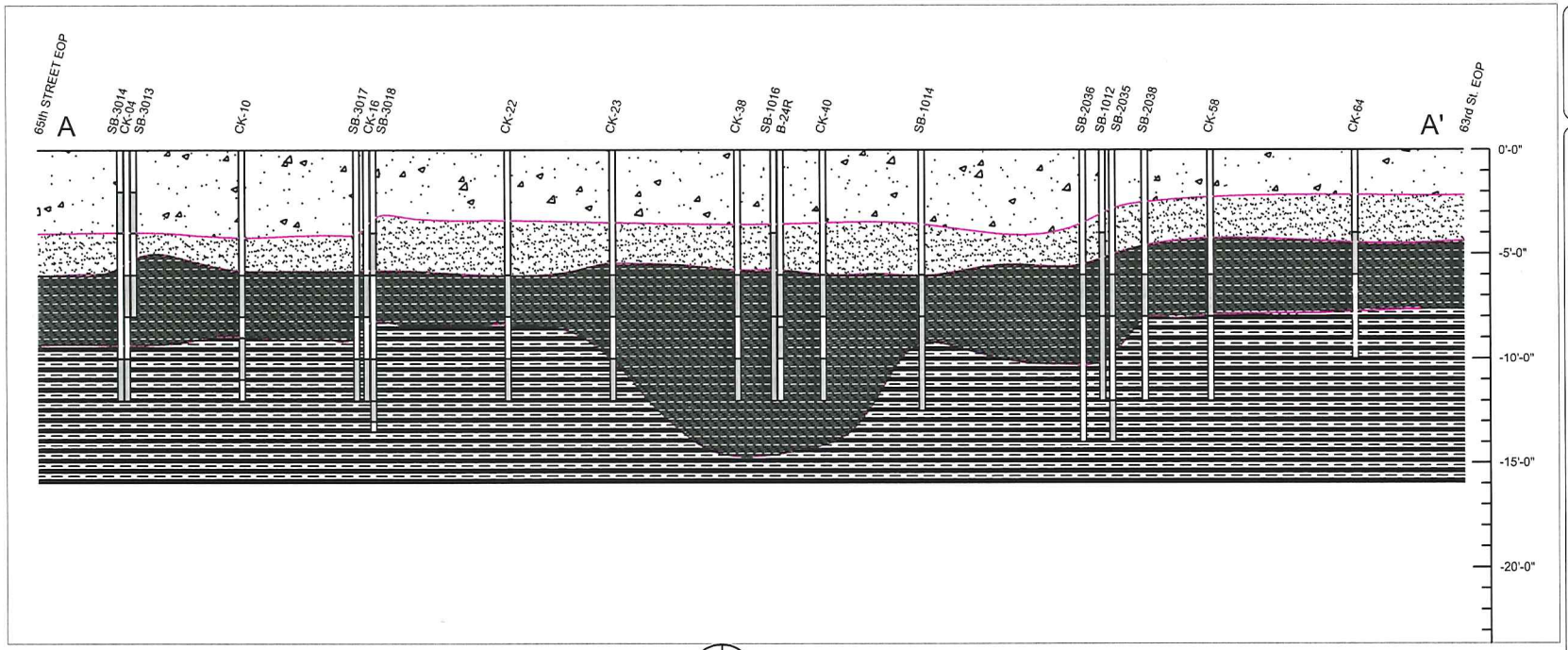

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THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

PRE-REMEDIAL GEOLOGICAL CROSS-SECTION A-A'

6400 15th AVE
KENOSHA, WI

LEGEND

- FILL MATERIALS
- SAND
- CLAY
- SILT
- SOIL SAMPLING INTERVAL
- APPROXIMATE SCHOOL PARCEL

NORTH

NOTE

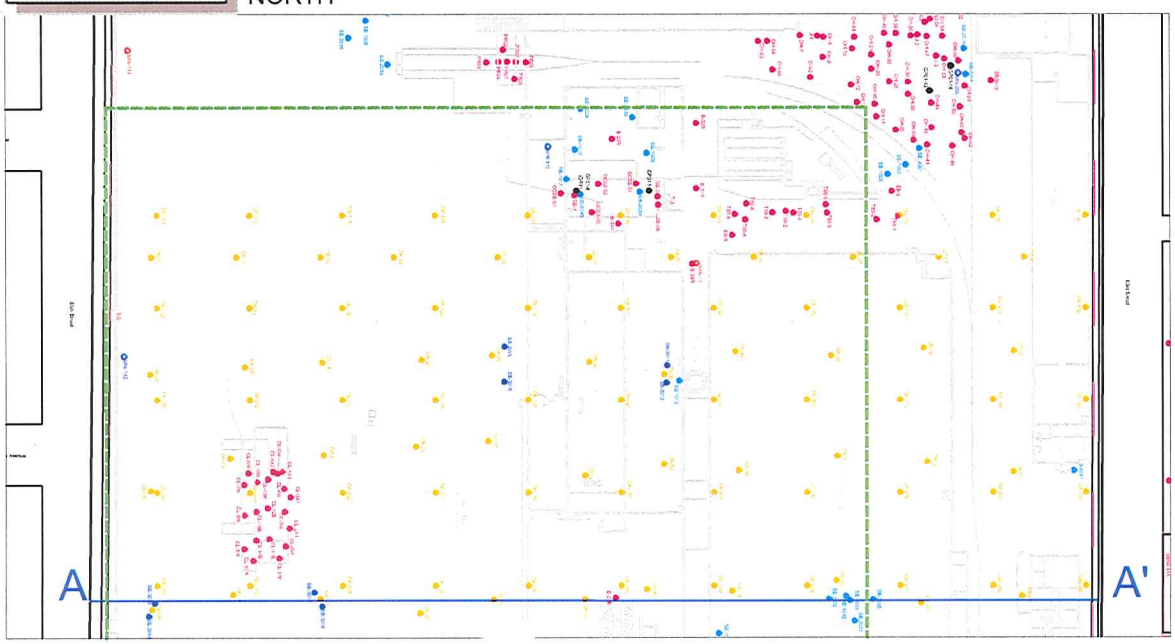
EOP = EDGE OF PAVEMENT

BASE MAP PROVIDED BY TRC

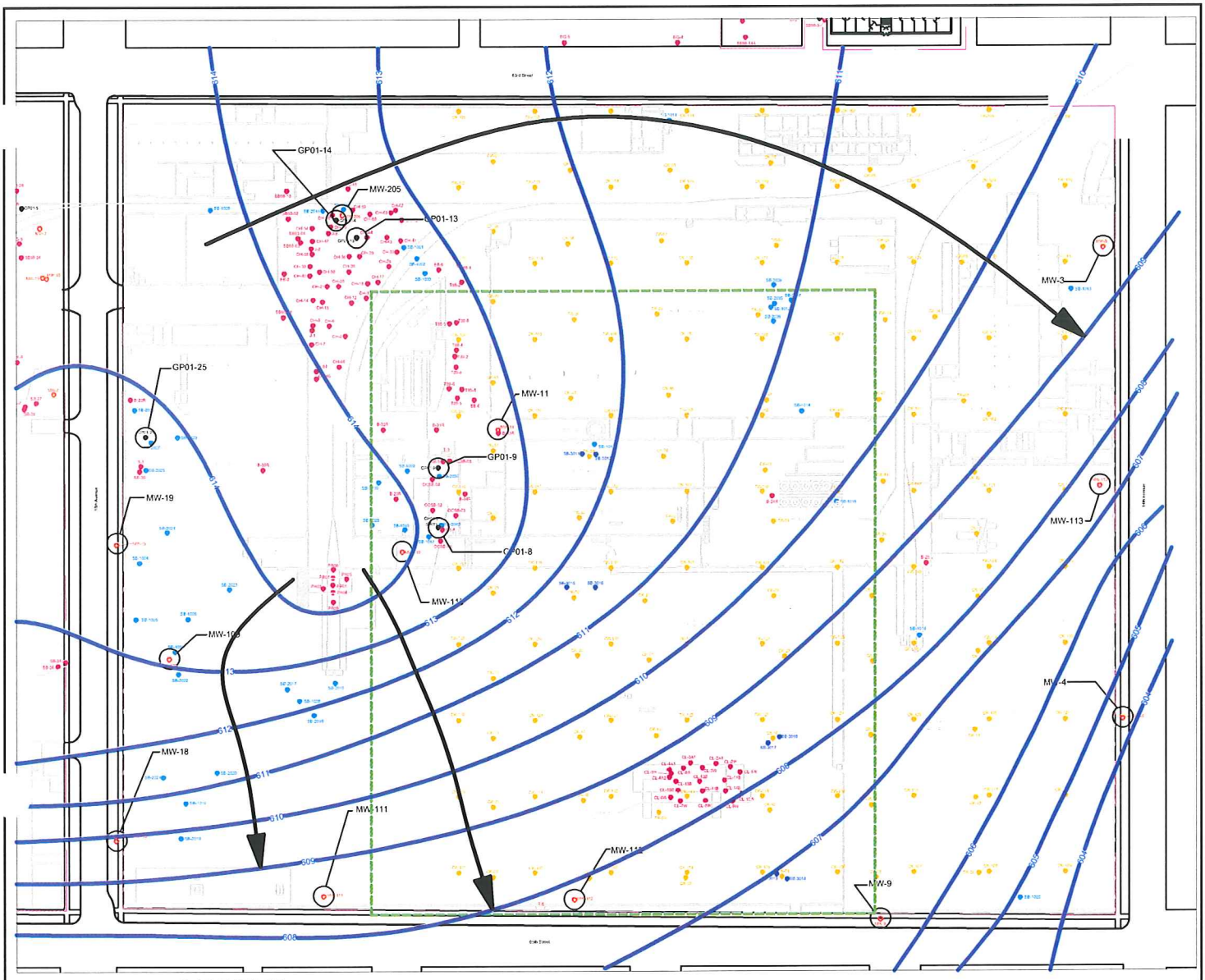
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 8.3'

INSET MAP

NORTH



Approved By: S. CRANLEY	Figure 6
Date Approved: 11/02/09	
Date Drawn: 11/02/09	6 of 7
Drawn by: R. SC RTZ	



LEGEND

- INFERED GROUNDWATER CONTOUR JUNE 2005 (914)
- INFERED GROUNDWATER FLOW DIRECTION JUNE 2005
- SOIL SAMPLING LOCATION, HISTORICAL
- SOIL SAMPLING LOCATION, 2003
- SOIL SAMPLING LOCATION, CITY OF KENOSHA 2003
- SOIL SAMPLING LOCATION, CONFIRMATION
- SOIL SAMPLING LOCATION 2004
- GSI 2001 GEOPROBE LOCATION
- MONITORING WELL, REMOVED
- PROPERTY LINE
- STRUCTURE, FORMER
- APPROXIMATE SCHOOL PARCEL

NORTH
SCALE: 1" = 100'

NOTE

VOCS = VOLATILE ORGANIC COMPOUNDS

VOCS PRESENT = VOCS DETECTED AS A RESULT OF ONE OR MORE SAMPLING EVENTS

NO VOCS PRESENT = VOCS NOT DETECTED AS A RESULT OF ONE OR MORE SAMPLING EVENTS

BASE MAP PROVIDE BY TRC

THE BRASS COMMUNITY SCHOOL SITE

CASE CLOSURE REQUEST

PRE-REMEDIAL GROUNDWATER SAMPLING LOCATIONS AND FLOW DIRECTION

6400 15th AVE
KENOSHA, WI

Approved By: S. CRANLEY	Date Approved: 11/02/09
Date Drawn: 11/02/09	Drawn by: R. SCHWARTZ
Figure 7	7 of 7

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TABLE 1 (Page 1 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	**EB-5**	**T-5**	**B-24R**	**B-24R**	**T89-2**			
Sampling Depth Interval (ft-bls)	**11-12.5**	**9-11**	**6-7.5**	**8.5-10**	**12**	**Groundwater**	**Non-Industrial**	**Industrial**
Sampling Date	**4/6/90**	**4/12/90**	**10/22/90**	**10/22/90**	**12/20/90**			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	<5	<5	<5	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	<5	<5	<5.8	NS	NS	NS
1,1-Dichloroethane	NA	NA	<5	<5	<5.8	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	<5	<5	<5.8	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	<5	<5	<5.8	NS	NS	NS
Ethylbenzene	NA	NA	<5	<5	<5.8	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	<5	<5	<5.8	NS	NS	NS
Toluene	NA	NA	**6.6**	**8**	<5.8	1500	NS	NS
Xylenes	NA	NA	<5	**8**	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	<5	<5	NA	NS	NS	NS
Trichloroethene	NA	NA	<5	<5	<5.8	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	<5.8	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	**5.7** ■	**0.17** ●	**2.1** ■	NA	NS	0.039	1.6
Barium	NA	NA	**8.6**	**22.2**	NA	NS	NS	NS
Cadmium	NA	**1.5**	<0.1	**0.4**	<0.55	NS	8	510
Chromium	NA	**10**	**8.7**	**10.1**	**6.7**	NS	16,000(1)	NS
Copper	NA	**18**	**6.2**	**12.6**	**12.6**	NS	NS	NS
Lead	**6.4**	**9.5**	**4.2**	**8.7**	**6.1**	NS	50	500
Nickel	NA	**18**	**5.2**	**16.1**	**9.3**	NS	NS	NS
Silver	NA	<1.1	<0.1	<0.1	NA	NS	NS	NS
Zinc	NA	**39**	**19.8**	**33.3**	**36.5**	NS	NS	NS
Mercury	NA	<0.22	<0.02	<0.02	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 2 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

Sampling Location	T89-4	T89-5	T89-6	T89-8	T88-1		Soil Standards NR 720 RCLs	
Sampling Depth Interval (ft-bls)	12	12	12	17	NA	Groundwater	Non-Industrial	Industrial
Sampling Date	12/20/90	12/20/90	12/20/90	12/20/90	12/21/90			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	**5.8 ▲**	<5.6	<5.7	<5.6	<5.0	5.5	NS	NS
1,1,1-Trichloroethane	<5.5	<5.6	<5.7	<5.6	<5.0	NS	NS	NS
1,1-Dichloroethane	<5.5	<5.6	<5.7	<5.6	<5.0	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	<5.5	<5.6	<5.7	<5.6	<5.0	NS	NS	NS
cis-1,2-Dichloroethene	<5.5	<5.6	<5.7	<5.6	<5.0	NS	NS	NS
Ethylbenzene	<5.5	<5.6	<5.7	<5.6	<5.0	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	<5.5	<5.6	<5.7	<5.6	<5.0	NS	NS	NS
Toluene	**13**	**8.2**	**7.6**	**8.2**	<5.0	1500	NS	NS
Xylenes	NA	<5.6	<5.7	<5.6	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	<5.6	<5.7	<5.6	NA	NS	NS	NS
Trichloroethene	<5.5	<5.6	<5.7	<5.6	<5.0	NS	NS	NS
Trichlorofluoromethane	**8.8**	**8.2**	<5.7	**5.9**	<5.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	<0.55	<0.56	<0.57	<0.56	<0.5	NS	8	510
Chromium	**6.7**	**4.5**	**3.8**	**6**	**2.1**	NS	16,000(1)	NS
Copper	**12.6**	**10.8**	**9.5**	**13.2**	**10.7**	NS	NS	NS
Lead	**6.1**	<5.6	<0.57	**6.8**	<5	NS	50	500
Nickel	**9.3**	**7**	**5.8**	**9.8**	**6.2**	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	**36.5**	**49.3**	**27.6**	**33.5**	**33.4**	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 3 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs	
Sampling Location	**T88-2**	**T88-4**	**T88-5**	**T88-8**			
Sampling Depth Interval (ft-bls)	**12-14**	**12-14**	**12-14**	**17**	**Groundwater**	**Non-Industrial**	**Industrial**
Sampling Date	**12/21/90**	**12/21/90**	**12/21/90**	**12/21/90**			
Parameter							
VOCs (ug/kg)					ug/kg	ug/kg	ug/kg
Benzene	<5.0	<5.0	<5.0	<5.0	5.5	NS	NS
1,1,1-Trichloroethane	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
1,1-Dichloroethane	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
cis-1,2-Dichloroethene	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
Ethylbenzene	<5.0	<5.0	<5.0	<5.0	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
Toluene	<5.0	<5.0	**6.3**	**7.9**	1500	NS	NS
Xylenes	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
Trichlorofluoromethane	<5.0	<5.0	<5.0	<5.0	NS	NS	NS
PAHs (ug/kg)					ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)					mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NS	NS	NS
Cadmium	<0.5	<0.5	<0.5	NA	NS	8	510
Chromium	**4.5**	**3.4**	**3.3**	NA	NS	16,000(1)	NS
Copper	**12.2**	**10.6**	**10.3**	NA	NS	NS	NS
Lead	<5	**5.3**	<5	NA	NS	50	500
Nickel	**7.9**	**8.3**	**6.9**	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	**40.7**	**40.8**	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

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NS = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 4 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	B-31R	B-31R	B-33R	B-34R	B-34R			
ampling Depth Interval (ft-bls)	18.5-19.5	33.5-35	13.5-15	13.5-14.5	23.5-25	Groundwater	Non-Industrial	Industrial
Sampling Date	04/29/91	04/29/91	04/30/91	04/30/91	04/30/91			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<6	<6	<6	<6	<5	5.5	NS	NS
1,1,1-Trichloroethane	<6	<6	<6	<6	<5	NS	NS	NS
1,1-Dichloroethane	<6	<6	<6	<6	<6	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	<6	<6	<6	<6	<6	NS	NS	NS
cis-1,2-Dichloroethene	<6	<6	<6	<6	<6	NS	NS	NS
Ethylbenzene	<6	<6	<6	<6	<6	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	<6	<6	<6	<6	<6	NS	NS	NS
Toluene	<6	<6	<6	<6	<6	1500	NS	NS
Xylenes	<6	<6	<6	<6	<6	4,100	NS	NS
trans-1,2-Dichloroethene	<6	<6	<6	<6	<6	NS	NS	NS
Trichloroethene	<6	<6	<6	<6	<6	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
enzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 5 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

Sampling Location	OCSB01	OCSB02	OCSB03	OCSB04	OCSB05		Soil Standards NR 720 RCLs	
Sampling Depth Interval (ft-bls)	12-14	4-6	9-11	12-14	8-10	Groundwater	Non-Industrial	Industrial
Sampling Date	08/19/94	08/19/94	08/19/94	08/30/94	08/30/94			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<1	<1	<1	<1	<1	5.5	NS	NS
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	NS	NS	NS
1,1-Dichloroethane	<1	<1	<1	<1	<1	NS	NS	NS
1,2,3-Trichlorobenzene	<1	<1	<1	<1	<1	NS	NS	NS
1,2,4-Trichlorobenzene	<1	<1	<1	<1	<1	NS	NS	NS
1,2,4-Trimethylbenzene	<1	<1	<1	<1	<1	NS	NS	NS
1,3,5-Trimethylbenzene	<1	<1	<1	<1	<1	NS	NS	NS
Carbon tetrachloride	<1	<1	<1	<1	<1	NS	NS	NS
cis-1,2-Dichloroethene	<1	<1	<1	<1	<1	NS	NS	NS
Ethylbenzene	<1	<1	<1	<1	<1	2,900	NS	NS
Isopropylbenzene	<1	<1	<1	<1	<1	NS	NS	NS
Naphthalene	<1	<1	<1	<1	<1	400	20,000	110,000
n-Butylbenzene	<1	<1	<1	<1	<1	NS	NS	NS
n-Propylbenzene	<1	<1	<1	<1	<1	NS	NS	NS
p-Isopropyltoluene	<1	<1	<1	<1	<1	NS	NS	NS
sec-Butylbenzene	<1	<1	<1	<1	<1	NS	NS	NS
Tetrachloroethene	<1	<1	<1	<1	<1	NS	NS	NS
Toluene	<1	<1	<1	<1	<1	1500	NS	NS
Xylenes	<1	<1	<1	<1	<1	4,100	NS	NS
trans-1,2-Dichloroethene	<1	<1	<1	<1	<1	NS	NS	NS
Trichloroethene	<1	<1	<1	<1	<1	NS	NS	NS
Trichlorofluoromethane	<1	<1	<1	<1	<1	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 6 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

Sampling Location	CL-1W	CL-2W	CL-3W	CL-3W	CL-4W		Soil Standards NR 720 RCLs	
Sampling Depth Interval (ft-bls)	11	11	11	11	11	Groundwater	Non-Industrial	Industrial
Sampling Date	04/15/96	04/15/96	04/15/96	04/15/96	04/15/96			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<21	<19	<19	<19	<19	5.5	NS	NS
1,1,1-Trichloroethane	<30	<27	<27	<27	<28	NS	NS	NS
1,1-Dichloroethane	<23	<23	<24	<24	<24	NS	NS	NS
1,2,3-Trichlorobenzene	<30	<27	<27	<27	<28	NS	NS	NS
1,2,4-Trichlorobenzene	<32	<28	<28	<28	<29	NS	NS	NS
1,2,4-Trimethylbenzene	**75**	<27	**62**	**62**	**128**	NS	NS	NS
1,3,5-Trimethylbenzene	<16	20	<15	<15	<15	NS	NS	NS
Carbon tetrachloride	<25	<22	<22	<22	<23	NS	NS	NS
cis-1,2-Dichloroethene	<21	<19	<19	<19	<19	NS	NS	NS
Ethylbenzene	**21**	<17	<17	<17	<18	2,900	NS	NS
Isopropylbenzene	<19	<17	<17	<17	**31**	NS	NS	NS
Naphthalene	**58**	**136**	**<48**	**<48**	**50**	400	20,000	110,000
n-Butylbenzene	<26	<23	<23	<23	<25	NS	NS	NS
n-Propylbenzene	**49**	<11	<11	<11	**29**	NS	NS	NS
p-Isopropyltoluene	<22	<20	<20	<20	<21	NS	NS	NS
sec-Butylbenzene	**53**	**48**	**48**	**48**	**92**	NS	NS	NS
Tetrachloroethene	<27	<25	<25	<25	<26	NS	NS	NS
Toluene	<19	<17	<17	<17	<18	1500	NS	NS
Xylenes	**44**	<22	<22	<22	<22	4,100	NS	NS
trans-1,2-Dichloroethene	<6	<6	<6	<6	<31	NS	NS	NS
Trichloroethene	<30	<27	<27	<27	<28	NS	NS	NS
Trichlorofluoromethane	<26	<23	<23	<23	<24	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
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● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 7 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
ampling Location	CL-5W	CL-6W	CL-7W	CL-8W	CL-9W			
ampling Depth Interval (ft-bls)	11	11	11	14	14	Groundwater	Non-Industrial	Industrial
Sampling Date	04/15/96	04/15/96	04/15/96	04/15/96	04/15/96			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<21	<19	<19	<20	<21	5.5	NS	NS
1,1,1-Trichloroethane	<23	<22	<22	<29	<31	NS	NS	NS
1,1-Dichloroethane	<26	<24	<24	<25	<26	NS	NS	NS
1,2,3-Trichlorobenzene	<30	<28	<28	<29	<31	NS	NS	NS
1,2,4-Trichlorobenzene	<32	<29	<29	<31	<32	NS	NS	NS
1,2,4-Trimethylbenzene	**41**	**54**	**405**	<29	<31	NS	NS	NS
1,3,5-Trimethylbenzene	**25**	<15	**215**	<16	<17	NS	NS	NS
Carbon tetrachloride	<25	<23	<23	<24	<25	NS	NS	NS
cis-1,2-Dichloroethene	<30	<28	<28	<20	<21	NS	NS	NS
Ethylbenzene	<19	<18	**42**	<19	<19	2,900	NS	NS
Isopropylbenzene	<19	<18	**38**	**25**	<19	NS	NS	NS
Naphthalene	<53	<50	**570** ▲	<52	<54	400	20,000	110,000
n-Butylbenzene	<26	<24	<24	**35**	<26	NS	NS	NS
n-Propylbenzene	<12	<11	**97**	**160**	<12	NS	NS	NS
p-Isopropyltoluene	**34**	<21	**29**	<21	<22	NS	NS	NS
sec-Butylbenzene	**56**	**23**	**165**	<23	<24	NS	NS	NS
Tetrachloroethene	<27	<26	<25	<27	<28	NS	NS	NS
Toluene	<19	<18	<18	<19	<19	1500	NS	NS
Xylenes	<25	<23	**75**	<24	<25	4,100	NS	NS
trans-1,2-Dichloroethene	<33	<31	<30	<32	<33	NS	NS	NS
Trichloroethene	<30	<28	<28	<29	<31	NS	NS	NS
Trichlorofluoromethane	<26	<24	<24	<25	<26	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
enzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 8 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	CL-10W	CL-11F	CL-12F	CL-13F	CL-14W	Groundwater	Non-Industrial	Industrial
ampling Depth Interval (ft-bls)	11	15	15	15	15			
Sampling Date	04/15/96	04/15/96	04/15/96	04/15/96	04/15/96			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<20	<21	<20	<20	<20	5.5	NS	NS
1,1,1-Trichloroethane	<30	<31	<29	<30	<30	NS	NS	NS
1,1-Dichloroethane	<26	<27	<25	<26	<26	NS	NS	NS
1,2,3-Trichlorobenzene	<30	<31	<29	<30	<30	NS	NS	NS
1,2,4-Trichlorobenzene	<31	<32	<31	<31	<31	NS	NS	NS
1,2,4-Trimethylbenzene	<30	<31	**57**	**162**	<30	NS	NS	NS
1,3,5-Trimethylbenzene	<16	<17	**32**	<16	<16	NS	NS	NS
Carbon tetrachloride	<24	<25	<24	<24	<24	NS	NS	NS
cis-1,2-Dichloroethene	<20	<21	<20	<20	<20	NS	NS	NS
Ethylbenzene	<19	<20	<19	**20**	<19	2,900	NS	NS
Isopropylbenzene	<19	<20	<19	<19	**24**	NS	NS	NS
Naphthalene	<53	<55	<52	**54**	<53	400	20,000	110,000
n-Butylbenzene	<26	<27	<25	<26	<26	NS	NS	NS
n-Propylbenzene	<12	<12	**19**	**23**	<12	NS	NS	NS
p-Isopropyltoluene	<22	<23	<21	<22	<22	NS	NS	NS
sec-Butylbenzene	<23	<24	**57**	**149**	<23	NS	NS	NS
Tetrachloroethene	<27	<28	<27	<27	<27	NS	NS	NS
Toluene	<19	<20	<19	<19	<19	1500	NS	NS
Xylenes	<24	<25	<24	<24	<24	4,100	NS	NS
trans-1,2-Dichloroethene	<32	<34	<32	<32	<32	NS	NS	NS
Trichloroethene	<30	<31	<29	<30	<30	NS	NS	NS
Trichlorofluoromethane	<26	<27	<25	<26	<26	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
`enzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
enzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury		NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
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▲ Indicates concentration exceeds groundwater protection RCL.
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RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 9 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

			Soil Sample I.D.				Soil Standards NR 720 RCLs	
ampling Location	CL-15W	CL-16F	GP01-08	GP01-08	GP01-09	Groundwater	Non-Industrial	Industrial
ampling Depth Interval (ft-bls)	15	15	0-2	4-6	0-2			
Sampling Date	04/15/96	04/15/96	5/31/01	5/31/01	5/31/01			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<19	<19	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	<29	<28	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	<26	<24	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	<29	<28	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	<30	<29	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	**31**	<28	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	<16	<15	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	<23	<23	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	<19	<19	NA	NA	NA	NS	NS	NS
Ethylbenzene	<18	<18	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	<18	<18	NA	NA	NA	NS	NS	NS
Naphthalene	**390**	<49	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25	<24	NA	NA	NA	NS	NS	NS
n-Propylbenzene	<11	<11	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	<21	<20	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	**57**	<22	NA	NA	NA	NS	NS	NS
Tetrachloroethene	<26	<25	NA	NA	NA	NS	NS	NS
Toluene	<18	<18	NA	NA	NA	1500	NS	NS
Xylenes	<23	<23	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	<31	<30	NA	NA	NA	NS	NS	NS
Trichloroethene	<29	<28	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	<25	<24	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	**450,000** ▲	<17	**20,000**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	**730,000** ▲●	**17**	**29,000** ▲	20,000	600,000	40,000,000
Acenaphthene	NA	NA	**45,000** ▲	<17	**24,000**	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	**22,000** ▲●	<23	<8,800	700	18,000	360,000
Anthracene	NA	NA	**37,000**	<13	**18,000**	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	NA	NA	**23,000** ▲■	<17	**160,000** ▲■	17,000	88	3,900
enzo (a) pyrene	NA	NA	**14,000** ■	<19	**89,000** ▲■	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	<11,000	<15	**33,000** ■	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	<14,000	<20	**29,000** ●	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	<11,000	<15	**30,000** ●	870,000	880	39,000
Chrysene	NA	NA	**52,000** ▲●	<17	**260,000** ▲●	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	<14,000	<19	**22,000** ■	38,000	8.8	390
Fluoranthene	NA	NA	**14,000**	<18	**26,000**	500,000	600,000	40,000,000
Fluorene	NA	NA	**52,000**	<12	**30,000**	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	<14,000	<19	**12,000** ■	680,000	88	3,900
Naphthalene	NA	NA	**65,000** ▲●	<17	<6,500	400	20,000	110,000
Phenanthrene	NA	NA	**430,000** ▲■	<17	**47,000** ▲●	1,800	18,000	390,000
Pyrene	NA	NA	**96,000**	<15	**260,000**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
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VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 10 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.				Soil Standards NR 720 RCLs		
Sampling Location	**GP01-09**	**SB-1003**	**SB-1003**	**SB-1012**			
Sampling Depth Interval (ft-bls)	**4-6**	**0-4**	**4-8**	**4-8**	**Groundwater**	**Non-Industrial**	**Industrial**
Sampling Date	**5/31/01**	**8/25/2003**	**8/25/2003**	**8/26/2003**			
Parameter							
VOCs (ug/kg)					ug/kg	ug/kg	ug/kg
Benzene	NA	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	NA	**32.2**	**181**	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	NA	<25.0	**44.1**	<25.0	NS	NS	NS
Carbon tetrachloride	NA	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	NA	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	NA	<25.0	**45.7**	<25.0	2,900	NS	NS
Isopropylbenzene	NA	<25.0	**44.1**	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	<25.0	34.2	<25.0	NS	NS	NS
n-Propylbenzene	NA	<25.0	61.7	<25.0	NS	NS	NS
p-Isopropyltoluene	NA	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	NA	<25.0	**34.7**	<25.0	NS	NS	NS
Tetrachloroethene	NA	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	NA	<25.0	**36.4**	<25.0	1500	NS	NS
Xylenes	NA	<25.0	**264**	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	NA	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	NA	<25.0	<25.0	**1,120**	NS	NS	NS
Trichlorofluoromethane	NA	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)					ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<17	**610**	<110	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<16	**792**	**885**	NA	20,000	600,000	40,000,000
Acenaphthene	<17	**1,210**	**1,900**	NA	38,000	900,000	60,000,000
Acenaphthylene	<23	**839** ▲	<220	NA	700	18,000	360,000
Anthracene	<13	**485**	**409**	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<17	**813** ●	**821** ●	NA	17,000	88	3,900
Benzo (a) pyrene	<20	**630** ■	**765** ■	NA	48,000	8.8	390
Benzo (b) fluoranthene	<16	**544** ●	**503** ●	NA	360,000	88	3,900
Benzo (ghi) perylene	<21	**386**	**364**	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	<16	**412**	**326**	NA	870,000	880	39,000
Chrysene	<17	**728**	**618**	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	<20	**53.2** ●	**58.5** ●	NA	38,000	8.8	390
Fluoranthene	<18	**2,080**	**1,730**	NA	500,000	600,000	40,000,000
Fluorene	<12	**576**	**216**	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<20	**410** ●	**380** ●	NA	680,000	88	3,900
Naphthalene	<17	**2,200** ▲	**161**	NA	400	20,000	110,000
Phenanthrene	<17	**2,740** ▲	**2,180** ▲	NA	1,800	18,000	390,000
Pyrene	<16	**3,330**	**2,970**	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)					mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NS	NS	NS

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(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 11 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	SB-1012	SB-1014	SB-1014	SB-1015	SB-1015			
ampling Depth Interval (ft-bls)	8-12	4-8	8-12	4-8	8-12	Groundwater	Non-Industrial	Industrial
Sampling Date	8/26/2003	8/26/2003	8/26/2003	8/26/2003	8/26/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	**161**	<25.0	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	**50.1**	<25.0	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	**122**	**5,410**	NA	NA	NA	NS	NS	NS
Ethylbenzene	<25.0	<25.0	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	**69.5**	<25.0	NA	NA	NA	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	**28.0**	<25.0	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	**31.8**	<25.0	NA	NA	NA	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	NA	NA	NA	NS	NS	NS
Toluene	<25.0	<25.0	NA	NA	NA	1500	NS	NS
Xylenes	<25.0	<25.0	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	**79.2**	<25.0	NA	NA	NA	NS	NS	NS
Trichloroethene	**2,460**	<25.0	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	<125	<128	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	<125	<128	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	<125	<128	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	<250	<258	700	18,000	360,000
Anthracene	NA	NA	NA	<125	<128	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	NA	NA	NA	<62.5	<64.2	17,000	88	3,900
enzo (a) pyrene	NA	NA	NA	**11.2** ●	**12.6** ●	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	<62.5	<64.2	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	<125	<128	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	<125	<128	870,000	880	39,000
Chrysene	NA	NA	NA	<125	<128	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	<62.5	<64.2	38,000	8.8	390
Fluoranthene	NA	NA	NA	<125	<128	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	<125	<128	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	<62.5	<64.2	680,000	88	3,900
Naphthalene	NA	NA	NA	<125	**173**	400	20,000	110,000
Phenanthrene	NA	NA	NA	<125	<128	1,800	18,000	390,000
Pyrene	NA	NA	NA	<125	**163**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	<3.06	NA	NA	NS	0.039	1.6
Barium	NA	NA	<30.6	NA	NA	NS	NS	NS
Cadmium	NA	NA	**1.49**	NA	NA	NS	8	510
Chromium	NA	NA	**596**	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	**850**	NA	NA	NS	NS	NS
Lead	NA	NA	**17.1**	NA	NA	NS	50	500
Nickel	NA	NA	**9.02**	NA	NA	NS	NS	NS
Silver	NA	NA	<3.06	NA	NA	NS	NS	NS
Zinc	NA	NA	**857**	NA	NA	NS	NS	NS
Mercury	NA	NA	<0.0437	NA	NA	NS	NS	NS

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(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 12 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	SB-1016	SB-1016	SB-1017	SB-1017	CK-1			
Sampling Depth Interval (ft-bls)	4-8	8-12	4-8	8-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	8/26/2003	8/26/2003	8/26/2003	8/26/2003	8/29/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	<25.0	<25.0	**30.0**	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	NA	NA	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	NA	NA	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	NA	NA	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	NA	NA	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	<111	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	<111	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	<222	700	18,000	360,000
Anthracene	NA	NA	NA	NA	<111	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	<55.6	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	**7.17** ●	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	<55.6	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	<111	870,000	880	39,000
Chrysene	NA	NA	NA	NA	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	<5.56	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	<111	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	<55.6	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	<111	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	<111	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**6.30** ■	**6.06** ■	NA	NA	<2.78	NS	0.039	1.6
Barium	**46.3**	<29.3	NA	NA	<27.8	NS	NS	NS
Cadmium	**144** ●	<0.585	NA	NA	<0.556	NS	8	510
Chromium	**20.1**	**10.3**	NA	NA	**3.29**	NS	16,000(1)	NS
Copper	**1,030**	**18.4**	NA	NA	**16.7**	NS	NS	NS
Lead	**82.6** ●	**8.75**	NA	NA	**2.74**	NS	50	500
Nickel	**15.6**	**17.8**	NA	NA	**4.90**	NS	NS	NS
Silver	<2.97	<2.93	NA	NA	<2.78	NS	NS	NS
Zinc	**2,270**	**32.1**	NA	NA	<27.8	NS	NS	NS
Mercury	<0.0476	<0.0397	NA	NA	<0.0445	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 13 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-1	CK-2	CK-2	CK-3	CK-3	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	10-12	6-8	10-12	6-8	10-12			
Sampling Date	8/29/2003	8/29/2003	8/29/2003	8/29/2003	8/29/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<109	<108	<110	**429**	<108	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<109	<108	<110	**616**	<108	20,000	600,000	40,000,000
Acenaphthene	<109	<108	<110	**1,380**	<108	38,000	900,000	60,000,000
Acenaphthylene	<217	<217	<220	**<222**	<217	700	18,000	360,000
Anthracene	<109	<108	<110	**518**	<108	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<54.3	<54.2	<55.0	**717** ●	<54.2	17,000	88	3,900
Benzo (a) pyrene	<5.43	<5.42	<5.50	**514** ■	<5.42	48,000	8.8	390
Benzo (b) fluoranthene	<54.3	<54.2	<55.0	**537** ●	<54.2	360,000	88	3,900
Benzo (ghi) perylene	<109	<108	<110	**353**	<108	68,000	1,800	39,000
Benzo(k)fluoranthene	<109	<108	<110	**218**	<108	870,000	880	39,000
Chrysene	<109	<108	<110	**735**	<108	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.43	<5.42	<5.50	**258** ●	<5.42	38,000	8.8	390
Fluoranthene	<109	<108	<110	**1,550**	<108	500,000	600,000	40,000,000
Fluorene	<109	<108	<110	**122**	<108	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<54.3	<54.2	<55.0	**378** ●	<54.2	680,000	88	3,900
Naphthalene	<109	<108	<110	<111	<108	400	20,000	110,000
Phenanthrene	<109	<108	<110	**1,550**	<108	1,800	18,000	390,000
Pyrene	<109	<108	<110	**931**	<108	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**3.53** ■	<2.71	**3.68** ■	<2.78	**3.79** ■	NS	0.039	1.6
Barium	<27.2	<27.1	<27.5	**37.3**	<27.1	NS	NS	NS
Cadmium	<0.543	**9.13** ●	<0.550	**1.69**	<0.542	NS	8	510
Chromium	**8.37**	**2.95**	**6.26**	**169**	**6.48**	NS	16,000(1)	NS
Copper	**12.6**	**7,290**	**44.4**	**6,220**	**14.8**	NS	NS	NS
Lead	**5.79**	**2.44**	**5.82**	**59.0**	**5.80**	NS	50	500
Nickel	**12.0**	**9.36**	**9.97**	**10.2**	**10.6**	NS	NS	NS
Silver	<2.71	<2.71	<2.75	<2.78	<2.71	NS	NS	NS
Zinc	<27.2	**400**	**63.9**	**930**	**31.4**	NS	NS	NS
Mercury	<0.0395	<0.0434	<0.0396	**0.0745**	<0.0394	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 14 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	CK-4	CK-4	CK-7	CK-7	CK-8			
Sampling Depth Interval (ft-bls)	6-8	10-12	6-8	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	8/29/2003	8/29/2003	9/2/2003	9/2/2003	9/2/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<115	<117	**2,150**	<111	<191	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<115	<117	**5,460**	<111	<191	20,000	600,000	40,000,000
Acenaphthene	<115	<117	**14,600**	<111	<191	38,000	900,000	60,000,000
Acenaphthylene	<230	<235	**1,220** ▲	<222	<383	700	18,000	360,000
Anthracene	<115	<117	**4,270**	<111	<191	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<57.6	<58.7	**6,110** ■	<55.6	<95.7	17,000	88	3,900
Benzo (a) pyrene	<5.76	<5.87	**4,190** ■	<5.56	<9.57	48,000	8.8	390
Benzo (b) fluoranthene	<57.6	<58.7	**4,050** ■	<55.6	<95.7	360,000	88	3,900
Benzo (ghi) perylene	<115	<117	**2,350** ●	<111	<191	68,000	1,800	39,000
Benzo(k)fluoranthene	<115	<117	**2,720** ●	<111	<191	870,000	880	39,000
Chrysene	<115	<117	**6,170**	<111	<191	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.76	<5.87	**2,350** ■	<5.56	<9.57	38,000	8.8	390
Fluoranthene	<115	<117	**16,200**	<111	<191	500,000	600,000	40,000,000
Fluorene	<115	<117	**2,880**	<111	<191	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<57.6	<58.7	**2,700** ●	<55.6	<95.7	680,000	88	3,900
Naphthalene	<115	<117	**17,600** ▲	<111	<191	400	20,000	110,000
Phenanthrene	<115	<117	**19,600** ▲●	<111	<191	1,800	18,000	390,000
Pyrene	<115	<117	**21,600**	<111	<191	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.88	**4.54** ■	**3.14** ■	**4.49** ■	<4.78	NS	0.039	1.6
Barium	<28.8	**43.4**	**1210**	**44.1**	**63.3**	NS	NS	NS
Cadmium	**15.7** ●	**5.50**	**15.0** ●	<0.556	**1.10**	NS	8	510
Chromium	**6.65**	**52.9**	**17.7**	**12.6**	**9.35**	NS	16,000(1)	NS
Copper	**4,610**	**6,380**	**925**	**27.0**	**221**	NS	NS	NS
Lead	**95.9** ●	**21.0**	**230** ●	**9.07**	**12.9**	NS	50	500
Nickel	**31.7**	**17.8**	**37.7**	**19.3**	**21.7**	NS	NS	NS
Silver	<2.88	<2.94	<2.89	<2.78	<4.78	NS	NS	NS
Zinc	**10,900**	**3,960**	**1,390**	**42.7**	**232**	NS	NS	NS
Mercury	<0.0461	<0.0470	<0.0701	<0.0445	<0.0765	NS	NS	NS

Notes:
Table includes detected analytes only.
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● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 15 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
ampling Location	CK-8	CK-9	CK-9	CK-10	CK-10			
ampling Depth Interval (ft-bls)	10-12	6-8	10-12	6-8	9-11	Groundwater	Non-Industrial	Industrial
Sampling Date	9/2/2003	9/2/2003	9/2/2003	9/2/2003	9/2/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	**331**	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	**60.7**	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	**169**	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	**151**	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<115	<113	<117	<107	**443**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<115	<113	<117	<107	**217**	20,000	600,000	40,000,000
Acenaphthene	<115	<113	<117	<107	<126	38,000	900,000	60,000,000
Acenaphthylene	<230	<226	<235	<215	<253	700	18,000	360,000
Anthracene	<115	<113	<117	<107	**151**	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	<57.6	<56.6	**88.7**	<53.7	**475** ●	17,000	88	3,900
enzo (a) pyrene	<5.76	**121** ●	**173**	**77.9** ●	**354** ●	48,000	8.8	390
Benzo (b) fluoranthene	<57.6	<56.6	<58.7	<53.7	**73.4**	360,000	88	3,900
Benzo (ghi) perylene	<115	<113	<117	<107	<126	68,000	1,800	39,000
Benzo(k)fluoranthene	<115	<113	<117	<107	**159**	870,000	880	39,000
Chrysene	<115	<113	<117	<107	**673**	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.76	**111** ●	<5.87	<5.37	<6.32	38,000	8.8	390
Fluoranthene	<115	<113	<117	<107	**1,090**	500,000	600,000	40,000,000
Fluorene	<115	<113	<117	<107	<126	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<57.6	<56.6	<58.7	**71.1**	**63.2**	680,000	88	3,900
Naphthalene	<115	<113	<117	<107	<126	400	20,000	110,000
Phenanthrene	<115	<113	<117	<107	**324**	1,800	18,000	390,000
Pyrene	<115	<113	<117	<107	<126	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.88	<2.88	**3.75** ■	**4.43** ■	**4.37** ■	NS	0.039	1.6
Barium	**61.5**	<28.3	<29.3	<26.8	**37.4**	NS	NS	NS
Cadmium	**0.663**	<0.566	<0.586	<0.537	**3.93**	NS	8	510
Chromium	**15.4**	**4.33**	**7.39**	**7.04**	**12.4**	NS	16,000(1)	NS
Copper	**21.0**	**11.7**	**16.5**	**11.5**	**941**	NS	NS	NS
Lead	**9.43**	**2.95**	**6.88**	**4.64**	**136** ●	NS	50	500
Nickel	**22.7**	**6.68**	**11.3**	**7.87**	**33.1**	NS	NS	NS
Silver	<2.88	<2.83	<2.93	<2.68	<3.16	NS	NS	NS
Zinc	**43.9**	**33.5**	**<29.3**	**<26.8**	**749**	NS	NS	NS
Mercury	<0.0461	<0.0390	<0.0469	<0.0429	**0.879**	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

VOCs = Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

S = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 16 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-11	CK-11	CK-13	CK-13	CK-14			
Sampling Depth Interval (ft-bls)	5-7	10-12	6-8	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	9/2/2003	9/2/2003	9/2/2003	9/2/2003	9/2/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<112	<131	<123	<111	<113	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<112	<131	<123	<111	<113	20,000	600,000	40,000,000
Acenaphthene	<112	<131	<123	<111	<113	38,000	900,000	60,000,000
Acenaphthylene	<225	<262	<246	<222	<226	700	18,000	360,000
Anthracene	<112	<131	<123	<111	<113	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<56.2	<65.5	<61.6	<55.6	<56.6	17,000	88	3,900
Benzo (a) pyrene	<5.62	<6.55	<6.16	<5.56	<5.66	48,000	8.8	390
Benzo (b) fluoranthene	<56.6	<65.5	<61.6	<55.6	<56.6	360,000	88	3,900
Benzo (ghi) perylene	<112	<131	<123	<111	<113	68,000	1,800	39,000
Benzo(k)fluoranthene	<112	<131	<123	<111	<113	870,000	880	39,000
Chrysene	<112	<131	<123	<111	<113	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.62	<6.55	<6.16	<5.56	<5.66	38,000	8.8	390
Fluoranthene	<112	<131	<123	<111	<113	500,000	600,000	40,000,000
Fluorene	<112	<131	<123	<111	<113	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<56.2	<65.5	<61.7	<55.6	<56.6	680,000	88	3,900
Naphthalene	<112	<131	<123	<111	<113	400	20,000	110,000
Phenanthrene	<112	<131	<123	<111	<113	1,800	18,000	390,000
Pyrene	<112	<131	<123	<111	<113	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.81	**4.41** ■	<3.08	**5.36** ■	**5.24** ■	NS	0.039	1.6
Barium	<28.1	**35.5**	<30.8	**35.9**	**39.1**	NS	NS	NS
Cadmium	**139**	<0.655	<0.616	<0.553	<0.566	NS	8	510
Chromium	**2.85**	**10.0**	**2.39**	**10.4**	**12.1**	NS	16,000(1)	NS
Copper	**6.23**	**18.3**	**4.68**	**16.5**	**18.5**	NS	NS	NS
Lead	**2.97**	**7.54**	**2.07**	**8.35**	**8.90**	NS	50	500
Nickel	**3.14**	**13.8**	**4.09**	**18.3**	**20.6**	NS	NS	NS
Silver	<2.81	<3.28	<3.08	<2.77	<2.83	NS	NS	NS
Zinc	**141**	**32.8**	<30.8	**36.6**	**32.4**	NS	NS	NS
Mercury	<0.0387	<0.0524	<0.0425	<0.0443	<0.0411	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 17 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	CK-14	CK-15	CK-15	CK-16	CK-16	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	10-12	6-8	10-12	6-8	10-12			
Sampling Date	9/2/2003	9/2/2003	9/2/2003	9/2/2003	9/2/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	**1,980**	**1,050**	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	**656**	**287**	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	**105**	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	**314**	**167**	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	**263**	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	**308**	**314**	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	**32.6**	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<111	**2,310**	**2,520**	<111	<112	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<111	**3,760**	**3,760**	<111	<112	20,000	600,000	40,000,000
Acenaphthene	<111	<111	<111	<111	<112	38,000	900,000	60,000,000
Acenaphthylene	<222	<221	<222	<222	<225	700	18,000	360,000
Anthracene	<111	<111	<111	<111	<112	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<55.6	<55.3	<55.6	<55.6	<56.1	17,000	88	3,900
Benzo (a) pyrene	<5.56	<5.53	**122** ●	<5.56	<5.61	48,000	8.8	390
Benzo (b) fluoranthene	<55.6	<55.3	<55.6	<55.6	<56.1	360,000	88	3,900
Benzo (ghi) perylene	<111	<111	<111	<111	<112	68,000	1,800	39,000
Benzo(k)fluoranthene	<111	<111	<111	<111	<112	870,000	880	39,000
Chrysene	<111	**317**	<111	<111	<112	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.56	<5.53	<5.56	<5.56	<5.61	38,000	8.8	390
Fluoranthene	<111	**125**	<111	<111	<112	500,000	600,000	40,000,000
Fluorene	<111	**338**	269	<111	<112	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<55.6	<55.3	<55.6	<55.6	<56.1	680,000	88	3,900
Naphthalene	<111	**791** ▲	**624** ▲	<111	<112	400	20,000	110,000
Phenanthrene	<111	<111	**115**	<111	<112	1,800	18,000	390,000
Pyrene	<111	**516**	**753**	<111	<112	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**5.58** ■	**4.96** ■	**3.65** ■	**5.33** ■	**3.16** ■	NS	0.039	1.6
Barium	**35.7**	**40.9**	**29.8**	**43.4**	<28.1	NS	NS	NS
Cadmium	<0.557	<0.553	<0.556	**0.813**	<0.561	NS	8	510
Chromium	**9.50**	**11.0**	**8.04**	**11.3**	**5.72**	NS	16,000(1)	NS
Copper	**16.9**	**17.5**	**14.4**	**22.6**	**12.2**	NS	NS	NS
Lead	**8.81**	**8.93**	**6.29**	**9.81**	**5.37**	NS	50	500
Nickel	**17.8**	**18.4**	**11.8**	**19.5**	**8.72**	NS	NS	NS
Silver	<2.79	<2.77	<2.78	<2.78	<2.81	NS	NS	NS
Zinc	**32.9**	**38.4**	**34.7**	**35.6**	<28.1	NS	NS	NS
Mercury	<0.0446	<0.0402	<0.0445	<0.0727	<0.0408	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 18 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	CK-17	CK-19	CK-19	CK-20	CK-20			
ampling Depth Interval (ft-bls)	2-4	6-8	10-12	6-8	10-12	Groundwater	Non-Industrial	Industrial
Sampling Date	9/2/2003	9/2/2003	9/2/2003	9/2/2003	9/2/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<126	<115	<110	<115	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<126	<115	<110	<115	<111	20,000	600,000	40,000,000
Acenaphthene	**154**	<115	<110	<115	<111	38,000	900,000	60,000,000
Acenaphthylene	<251	<230	<222	<230	<222	700	18,000	360,000
Anthracene	<126	<115	<110	<115	<111	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	**150** ●	<57.6	<55.6	<57.6	<55.6	17,000	88	3,900
enzo (a) pyrene	**162** ●	<5.76	<5.56	<5.76	<5.56	48,000	8.8	390
Benzo (b) fluoranthene	**165** ●	<57.6	<55.6	<57.6	<55.6	360,000	88	3,900
Benzo (ghi) perylene	**159**	<115	<110	<115	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	<126	<115	<110	<115	<111	870,000	880	39,000
Chrysene	**204**	<115	<110	<115	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	<6.28	<5.76	<5.56	<5.76	<5.56	38,000	8.8	390
Fluoranthene	**440**	<115	<110	<115	<111	500,000	600,000	40,000,000
Fluorene	<126	<115	<110	<115	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**145** ●	<57.6	<55.6	<57.6	<55.6	680,000	88	3,900
Naphthalene	<126	<115	<110	<115	<111	400	20,000	110,000
Phenanthrene	**265**	<115	<110	<115	<111	1,800	18,000	390,000
Pyrene	**247**	<115	<110	<115	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<3.14	<2.86	**6.46** ■	<2.88	**7.18** ■	NS	0.039	1.6
Barium	**33.1**	<28.6	**36.1**	<28.8	**33.8**	NS	NS	NS
Cadmium	**2,170** ■	<0.573	<0.552	<0.576	<0.556	NS	8	510
Chromium	**5.21**	**3.05**	**10.7**	**3.64**	**10.7**	NS	16,000(1)	NS
Copper	**159**	**6.46**	**17.5**	**9.43**	**23.8**	NS	NS	NS
Lead	**37.0**	**3.41**	**14.9**	**5.46**	**13.1**	NS	50	500
Nickel	**10.1**	**4.99**	**20.7**	**6.41**	**24.0**	NS	NS	NS
Silver	<3.14	<2.86	<2.76	<2.88	<2.78	NS	NS	NS
Zinc	**9,160**	<28.6	**32.7**	<28.8	**36.3**	NS	NS	NS
Mercury	<0.0502	<0.0458	<0.0441	<0.0461	<0.0444	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

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PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

S = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 19 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-21	CK-21	CK-22	CK-22	CK-23	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	6-8	10-12	6-8	10-12	6-8			
Sampling Date	9/2/2003	9/2/2003	9/2/2003	9/2/2003	9/2/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	**144**	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<114	<118	<109	<112	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<114	**239**	<109	<112	<111	20,000	600,000	40,000,000
Acenaphthene	<114	**315**	<109	<112	<111	38,000	900,000	60,000,000
Acenaphthylene	<229	<236	<218	<223	<222	700	18,000	360,000
Anthracene	<114	**300**	<109	<112	<111	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**73.7**	**383** ●	<54.5	<55.8	<55.6	17,000	88	3,900
Benzo (a) pyrene	**43.9** ●	**223** ●	<5.45	<5.58	<5.56	48,000	8.8	390
Benzo (b) fluoranthene	**62.3**	**264** ●	<54.5	<55.8	<55.6	360,000	88	3,900
Benzo (ghi) perylene	<114	**146**	<109	<112	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	<114	**205**	<109	<112	<111	870,000	880	39,000
Chrysene	<114	**980**	<109	<112	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	**85.4** ●	**101** ●	<5..45	<5.58	<5.56	38,000	8.8	390
Fluoranthene	**250**	**1,440**	<109	<112	<111	500,000	600,000	40,000,000
Fluorene	<114	**374**	<109	<112	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<57.2	**147** ●	<54.5	<55.8	<55.6	680,000	88	3,900
Naphthalene	<114	<118	<109	<112	<111	400	20,000	110,000
Phenanthrene	**203**	**1,200**	<109	<112	<111	1,800	18,000	390,000
Pyrene	**163**	**966**	<109	<112	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**3.88** ■	**4.21** ■	**4.83** ■	**3.73** ■	**4.79** ■	NS	0.039	1.6
Barium	**37.1**	<29.5	**28.0**	**51.7**	**29.8**	NS	NS	NS
Cadmium	**1.97**	**0.589**	<0.545	<0.558	<0.595	NS	8	510
Chromium	**83.0**	**24.1**	**8.94**	**11.6**	**9.72**	NS	16,000(1)	NS
Copper	**2,350**	**1,660**	**29.3**	**17.1**	**21.2**	NS	NS	NS
Lead	**18.4**	**8.21**	**8.22**	**7.74**	**7.85**	NS	50	500
Nickel	**47.3**	**16.5**	**16.8**	**17.1**	**17.7**	NS	NS	NS
Silver	<2.86	<2.95	<2.72	<2.79	<2.98	NS	NS	NS
Zinc	**700**	**296**	**37.8**	**31.5**	**30.3**	NS	NS	NS
Mercury	<0.0395	<0.0399	<0.0436	<0.0446	<0.0476	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 20 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	CK-23	CK-25	CK-25	CK-26	CK-27			
Sampling Depth Interval (ft-bls)	10-12	6-8	10-12	5-7	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	9/2/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	**120**	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<114	<118	<114	<120	<114	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<114	**239**	<114	<120	<114	20,000	600,000	40,000,000
Acenaphthene	<114	**315**	<114	**264**	<114	38,000	900,000	60,000,000
Acenaphthylene	<229	<236	<228	<240	<228	700	18,000	360,000
Anthracene	<114	**300**	<114	**400**	<114	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**73.7**	**383** ●	<57.1	**304** ●	<57.1	17,000	88	3,900
Benzo (a) pyrene	**43.9** ●	**223** ●	<5.71	**84.9** ●	<5.71	48,000	8.8	390
Benzo (b) fluoranthene	**62.3**	**264** ●	<57.1	**207** ●	<57.1	360,000	88	3,900
Benzo (ghi) perylene	<114	**146**	<114	**174**	<114	68,000	1,800	39,000
Benzo(k)fluoranthene	<114	**205**	<114	<120	<114	870,000	880	39,000
Chrysene	<114	**980**	<114	**334**	<114	37,000	8,800	390,000
Dibenz (a,h) anthracene	**85.4** ●	**101** ●	<5.71	**21.0** ●	<5.71	38,000	8.8	390
Fluoranthene	**250**	**1,440**	<114	**756**	<114	500,000	600,000	40,000,000
Fluorene	<114	**374**	<114	<120	<114	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<57.2	**147** ●	<57.1	**196** ●	<57.1	680,000	88	3,900
Naphthalene	<114	<118	<114	<120	<114	400	20,000	110,000
Phenanthrene	**203**	**1,200**	<114	**508**	<114	1,800	18,000	390,000
Pyrene	**163**	**966**	<114	**396**	<114	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**3.21** ■	**3.64** ■	**3.99** ■	**3.19** ■	**5.00** ■	NS	0.039	1.6
Barium	**29.5**	**66.1**	**28.6**	**101**	**41.2**	NS	NS	NS
Cadmium	**0.789**	<0.571	<0.571	<0.601	<0.572	NS	8	510
Chromium	**6.39**	**6.59**	**9.29**	**15.6**	**12.6**	NS	16,000(1)	NS
Copper	**13.6**	**71.9**	**14.1**	**81.8**	**20.7**	NS	NS	NS
Lead	**5.40**	**13.9**	**6.91**	**9.69**	**8.00**	NS	50	500
Nickel	**9.86**	**9.00**	**13.9**	**19.8**	**18.0**	NS	NS	NS
Silver	<2.95	<2.85	<2.86	<3.00	<2.86	NS	NS	NS
Zinc	**30.3**	**124**	**37.6**	**88.9**	**33.5**	NS	NS	NS
Mercury	<0.0472	<0.0457	<0.0394	**0.216**	<0.0458	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 21 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	CK-27	CK-28	CK-29	CK-29	CK-31			
ampling Depth Interval (ft-bls)	10-12	5-7	6-8	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	9/3/2003	9/3/2003	9/2/2003	9/2/2003	9/3/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Methyllene chloride	<100	<100	<100	<100	<100	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	**144**	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	**137**	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<112	<117	<120	<118	**1,470**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<112	<117	<120	<118	**134**	20,000	600,000	40,000,000
Acenaphthene	<112	<117	<120	<118	**1,360**	38,000	900,000	60,000,000
Acenaphthylene	<223	<234	<241	<235	**3,160** ▲	700	18,000	360,000
nthracene	<112	<117	<120	<118	**629**	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	<55.8	<58.6	<60.2	<58.9	**1,740**	17,000	88	3,900
Benzo (a) pyrene	<5.58	<5.86	<6.02	<5.89	**1,240** ■	48,000	8.8	390
Benzo (b) fluoranthene	<55.8	<58.6	<60.2	<58.9	**953** ●	360,000	88	3,900
Benzo (ghi) perylene	<112	<117	<120	<118	**585**	68,000	1,800	39,000
Benzo(k)fluoranthene	<112	<117	<120	<118	**778**	870,000	880	39,000
Chrysene	<112	<117	<120	<118	**1,720**	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.58	<5.86	<6.02	<5.89	**88.0** ●	38,000	8.8	390
Fluoranthene	<112	<117	<120	<118	**3,460**	500,000	600,000	40,000,000
Fluorene	<112	<117	<120	<118	<116	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<55.8	<58.6	<60.2	<58.9	**679** ●	680,000	88	3,900
Naphthalene	<112	**153**	<120	<118	**5,200** ▲	400	20,000	110,000
Phenanthrene	<112	<117	<120	<118	**3,460** ▲	1,800	18,000	390,000
Pyrene	<112	<117	<120	<118	**973**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**5.82** ■	**3.12** ■	**4.70** ■	**3.25** ■	**16.4** ■	NS	0.039	1.6
Barium	**31.7**	**29.3**	<30.1	<29.4	**302**	NS	NS	NS
Cadmium	<0.558	<0.586	**7.65**	<0.589	**2.33**	NS	8	510
Chromium	**10.0**	**4.99**	**8.66**	**5.32**	**20.7**	NS	16,000(1)	NS
Copper	**14.3**	**18.2**	**53.4**	**11.0**	**168**	NS	NS	NS
Lead	**7.42**	**7.38**	**15.0**	**5,84**	**545** ■	NS	50	500
Nickel	**17.8**	**9.25**	**13.9**	**8.62**	**65.4**	NS	NS	NS
Silver	<2.79	<2.93	<3.01	<2.94	<2.90	NS	NS	NS
Zinc	**46.5**	**36.8**	**146**	<29.4	**523**	NS	NS	NS
Mercury	<0.0446	<0.0469	<0.0482	<0.471	<0.0407	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
CRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 22 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	CK-32	CK-33	CK-34	CK-34	CK-38			
.ampling Depth Interval (ft-bls)	10-12	4-5.5	6-8	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	**2,010**	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	**332**	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	**440**	<124	<110	<112	<129	23,000	1,100,000	70,000,000
2-Methylnaphthalene	**1,230**	<124	<110	<112	<129	20,000	600,000	40,000,000
Acenaphthene	<1,180	<124	<110	<112	<129	38,000	900,000	60,000,000
Acenaphthylene	**905** ▲	<248	<220	<224	<258	700	18,000	360,000
Anthracene	**1,150**	<124	<110	<112	<129	3,000,000	5,000,000	300,000,000
`enzo (a) anthracene	**3,120** ●	<61.9	<55.1	<56	<64.5	17,000	88	3,900
enzo (a) pyrene	**1,910** ■	<6.19	<5.51	<5.6	**53.4** ●	48,000	8.8	390
Benzo (b) fluoranthene	**1,800** ●	<61.9	<55.1	<56	<64.5	360,000	88	3,900
Benzo (ghi) perylene	**959**	<124	<110	<112	<129	68,000	1,800	39,000
Benzo(k)fluoranthene	**1,130** ●	<124	<110	<112	<129	870,000	880	39,000
Chrysene	**3,150**	<124	<110	<112	<129	37,000	8,800	390,000
Dibenz (a,h) anthracene	**1,090** ■	<6.19	<5.51	<5.6	**48.3** ●	38,000	8.8	390
Fluoranthene	**8,050**	<124	<110	<112	**130**	500,000	600,000	40,000,000
Fluorene	**710**	<124	<110	<112	<129	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**1,460** ●	<61.9	<55.1	<56	<64.5	680,000	88	3,900
Naphthalene	**775** ▲	<124	<110	<112	<129	400	20,000	110,000
Phenanthrene	**12,100** ▲	<124	<110	<112	<129	1,800	18,000	390,000
Pyrene	**13,100**	<124	<110	<112	<129	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**5.28** ■	<3.1	**4.55** ■	**4.31** ■	**4.31** ■	NS	0.039	1.6
Barium	**190**	**49.1**	**34.4**	**44**	**43.8**	NS	NS	NS
Cadmium	**1.64**	**2.62**	<0.551	<0.56	**2.11**	NS	8	510
Chromium	**12.1**	**10.8**	**11.8**	**14.4**	**9.21**	NS	16,000(1)	NS
Copper	**134**	**769**	**17.2**	**19.8**	**131**	NS	NS	NS
Lead	**81.4** ●	**26.9**	**8.25**	**8.53**	**11.4**	NS	50	500
Nickel	**23.6**	**13.4**	**17.7**	**19.9**	**14.4**	NS	NS	NS
Silver	<2.94	<3.1	<2.75	<2.8	<3.22	NS	NS	NS
Zinc	**203**	**741**	**46.8**	**38.1**	**176**	NS	NS	NS
Mercury	**9.38**	**0.0666**	<0.0401	<0.448	**0.81**	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 23 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	CK-38	CK-39	CK-39	CK-40	CK-40			
Sampling Depth Interval (ft-bls)	10-12	6-8	10-12	6-8	10-12	Groundwater	Non-Industrial	Industrial
Sampling Date	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	**257**	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	**53.4**	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<109	<112	<120	<133	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<109	<112	<120	<133	<111	20,000	600,000	40,000,000
Acenaphthene	<109	<112	<120	<133	<111	38,000	900,000	60,000,000
Acenaphthylene	<218	<225	<239	<265	<222	700	18,000	360,000
Anthracene	<109	<112	<120	<133	<111	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<54.5	<56.2	<59.8	<66.3	<55.4	17,000	88	3,900
Benzo (a) pyrene	<5.45	<5.62	<5.98	<6.63	<5.54	48,000	8.8	390
Benzo (b) fluoranthene	<54.5	<56.2	<59.8	<66.3	<55.4	360,000	88	3,900
Benzo (ghi) perylene	<109	<112	<120	<133	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	<109	<112	<120	<133	<111	870,000	880	39,000
Chrysene	<109	<112	<120	<133	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5..45	<5.62	<5.98	<6.63	<5.54	38,000	8.8	390
Fluoranthene	<109	<112	<120	<133	<111	500,000	600,000	40,000,000
Fluorene	<109	<112	<120	<133	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<54.5	<56.2	<59.8	<66.3	<55.4	680,000	88	3,900
Naphthalene	<109	<112	<120	<133	<111	400	20,000	110,000
Phenanthrene	<109	<112	<120	<133	<111	1,800	18,000	390,000
Pyrene	<109	<112	<120	<133	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.73	**4.61** ■	<2.99	<3.31	**7.46** ■	NS	0.039	1.6
Barium	<27.3	**29.4**	<29.9	<33.1	<27.7	NS	NS	NS
Cadmium	<0.545	<0.562	<0.598	<0.663	<0.554	NS	8	510
Chromium	**6.26**	**14.3**	**26.5**	**1.91**	**12.1**	NS	16,000(1)	NS
Copper	**12.4**	**17.4**	**5.47**	**5.62**	**18.2**	NS	NS	NS
Lead	**4.9**	**7.77**	**3.26**	**1.46**	**8.19**	NS	50	500
Nickel	**8.06**	**18.4**	**3.53**	<3.31	**18.4**	NS	NS	NS
Silver	<2.73	<2.81	<2.99	<3.31	<2.77	NS	NS	NS
Zinc	**32.8**	**36**	<29.9	<33.1	**39.8**	NS	NS	NS
Mercury	<0.0386	<0.0395	<0.0435	<0.473	<0.0443	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.
R - Rejected result for analyte during data validation

TABLE 1 (Page 24 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
ampling Location	CK-43	CK-43	CK-44	CK-44	CK-45			
ampling Depth Interval (ft-bls)	6-8	10-12	6-8	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	9/3/2003	9/3/2003	9/3/2003	9/3/2003	9/3/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<116	<113	<119	<109	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<116	<113	<119	<109	<111	20,000	600,000	40,000,000
Acenaphthene	<116	<113	<119	<109	<111	38,000	900,000	60,000,000
Acenaphthylene	<231	<226	<238	<218	<221	700	18,000	360,000
Anthracene	<116	<113	<119	<109	<111	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	<57.8	<56.4	<59.4	<54.5	<55.4	17,000	88	3,900
enzo (a) pyrene	<5.78	<5.64	<5.94	<5.45	<5.54	48,000	8.8	390
Benzo (b) fluoranthene	<57.8	<56.4	<59.4	<54.5	<55.4	360,000	88	3,900
Benzo (ghi) perylene	<116	<113	<119	<109	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	<116	<113	<119	<109	<111	870,000	880	39,000
Chrysene	<116	<113	<119	<109	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.78	<5.64	<5.94	<5..45	<5.54	38,000	8.8	390
Fluoranthene	<116	<113	<119	<109	<111	500,000	600,000	40,000,000
Fluorene	<116	<113	<119	<109	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<57.8	<56.4	<59.4	<54.5	<55.4	680,000	88	3,900
Naphthalene	<116	<113	<119	<109	<111	400	20,000	110,000
Phenanthrene	<116	<113	<119	<109	<111	1,800	18,000	390,000
Pyrene	<116	<113	<119	<109	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.89	**3.07** ■	<2.97	**4.76** ■	**4.23** ■	NS	0.039	1.6
Barium	<28.9	<28.2	<29.7	**28.3**	<27.7	NS	NS	NS
Cadmium	<0.578	<0.564	<0.594	<0.545	<0.554	NS	8	510
Chromium	**5.31**	**8.47**	**2.8**	**9.37**	**9.82**	NS	16,000(1)	NS
Copper	**10.3**	**14.6**	**10.7**	**16.3**	**17.6**	NS	NS	NS
Lead	**4.39**	**6.35**	**2.3**	**6.22**	**7.09**	NS	50	500
Nickel	**6.65**	**12.6**	**6.74**	**14.7**	**16.4**	NS	NS	NS
Silver	<2.89	<2.82	<2.97	<2.72	<2.77	NS	NS	NS
Zinc	<28.9	<28.2	<29.7	**29.7**	**37**	NS	NS	NS
Mercury	<0.0462	<0.0752	<0.0475	<0.436	<0.0436	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.
R - Rejected result for analyte during data validation

TABLE 1 (Page 25 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	CK-45	CK-49	CK-49	CK-50	CK-50	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	10-12	6-8	10-12	6-8	10-12			
Sampling Date	9/3/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	**90.2**	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	**291**	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<113	<115	<110	<111	<113	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<113	<115	<110	<111	<113	20,000	600,000	40,000,000
Acenaphthene	<113	<115	<110	<111	<113	38,000	900,000	60,000,000
Acenaphthylene	<225	<229	<220	<223	<226	700	18,000	360,000
Anthracene	<113	**228**	<110	<111	<113	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<56.3	**338** ●	<55.1	<55.7	<56.5	17,000	88	3,900
Benzo (a) pyrene	<5.63	**310** ●	<5.51	<5.57	<5.65	48,000	8.8	390
Benzo (b) fluoranthene	<56.3	**276** ●	<55.1	<55.7	<56.5	360,000	88	3,900
Benzo (ghi) perylene	<113	**158**	<110	<111	<113	68,000	1,800	39,000
Benzo(k)fluoranthene	<113	**212**	<110	<111	<113	870,000	880	39,000
Chrysene	<113	**336**	<110	<111	<113	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.63	**303** ●	<5.51	<5.57	<5.65	38,000	8.8	390
Fluoranthene	<113	**878**	<110	<111	<113	500,000	600,000	40,000,000
Fluorene	<113	**122**	<110	<111	<113	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<56.3	**187** ●	<55.1	<55.7	<56.5	680,000	88	3,900
Naphthalene	<113	<115	<110	<111	<113	400	20,000	110,000
Phenanthrene	<113	**923**	<110	<111	<113	1,800	18,000	390,000
Pyrene	<113	**1,100**	<110	<111	<113	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**3.77** ■	<2.87	**5.51** ■	**3.04** ■	**4.75** ■	NS	0.039	1.6
Barium	<27.7	<28.7	**37**	**48.6**	**33.9**	NS	NS	NS
Cadmium	<0.563	**8.11** ●	<0.551	<0.557	<0.565	NS	8	510
Chromium	**10.6**	**7.26**	**14.3**	**17.3**	**12.4**	NS	16,000(1)	NS
Copper	**16.3**	**536**	**20.1**	**20.7**	**18.4**	NS	NS	NS
Lead	**7.1**	**39.8**	**10.3**	**9.27**	**9.03**	NS	50	500
Nickel	**16**	**15.6**	**23.8**	**21.2**	**18.6**	NS	NS	NS
Silver	<2.81	<2.87	<2.76	<2.79	<2.82	NS	NS	NS
Zinc	**35.5**	**552**	**36.9**	**37.3**	**38.8**	NS	NS	NS
Mercury	<0.045	<0.0459	<0.0459	<0.0391	<0.039	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

VOCs = Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

NS = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

R - Rejected result for analyte during data validation

TABLE 1 (Page 26 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	CK-51	CK-51	CK-52	CK-52	CK-56			
Sampling Depth Interval (ft-bls)	6-8	10-12	4-6	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<112	<113	<119	<108	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<112	<113	<119	<108	<111	20,000	600,000	40,000,000
Acenaphthene	<112	<113	<119	<108	<111	38,000	900,000	60,000,000
Acenaphthylene	<224	<225	<238	<217	<222	700	18,000	360,000
Anthracene	<112	<113	<119	<108	<111	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<56.1	<56.3	**284** ●	<54.2	<55.4	17,000	88	3,900
Benzo (a) pyrene	<5.61	<5.63	**218** ●	<5.42	<5.54	48,000	8.8	390
Benzo (b) fluoranthene	<56.1	<56.3	**100** ●	<54.2	<55.4	360,000	88	3,900
Benzo (ghi) perylene	<112	<113	**134**	<108	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	<112	<113	<119	<108	<111	870,000	880	39,000
Chrysene	<112	<113	**298**	<108	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.6.1	<5.63	<596	<5.42	<5.54	38,000	8.8	390
Fluoranthene	<112	<113	**367**	<108	<111	500,000	600,000	40,000,000
Fluorene	<112	<113	<119	<108	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<56.1	<56.3	**103** ●	<54.2	<55.4	680,000	88	3,900
Naphthalene	<112	<113	**179**	<108	<111	400	20,000	110,000
Phenanthrene	<112	<113	**301**	<108	<111	1,800	18,000	390,000
Pyrene	<112	<113	**606**	<108	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**5.27** ■	**5.01** ■	**6.35** ■	<2.71	**4.73** ■	NS	0.039	1.6
Barium	**39.1**	**39**	**48.2**	**40**	**31.1**	NS	NS	NS
Cadmium	<0.561	<0.563	**1.14**	<0.542	<0.554	NS	8	510
Chromium	**13.7**	**12.9**	**11.2**	**9.77**	**13.2**	NS	16,000(1)	NS
Copper	**16.3**	**20.6**	**2,230**	**13.8**	**17.9**	NS	NS	NS
Lead	**8.4**	**9.99**	**43.5**	**5.56**	**9.25**	NS	50	500
Nickel	**21.5**	**19.7**	**12.6**	**12.4**	**20.3**	NS	NS	NS
Silver	<2.8	<2.81	<2.98	<2.71	<2.77	NS	NS	NS
Zinc	**33**	**48.6**	**570**	<27.1	**80.1**	NS	NS	NS
Mercury	<0.0449	<0.0409	**0.0562**	<0.0433	<0.0403	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 27 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
ampling Location	CK-56	CK-57	CK-57	CK-58	CK-58	Groundwater	Non-Industrial	Industrial
ampling Depth Interval (ft-bls)	10-12	6-8	10-12	6-8	10-12			
Sampling Date	9/4/2003	9/4/2003	9/4/2003	9/4/2003	9/4/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<111	<110	<110	<110	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<111	<110	<110	<110	<111	20,000	600,000	40,000,000
Acenaphthene	<111	<110	<110	<110	<111	38,000	900,000	60,000,000
Acenaphthylene	<221	<220	<220	<220	<222	700	18,000	360,000
Anthracene	<111	<110	<110	<110	<111	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	<55.3	<55	<55	<55.1	<55.6	17,000	88	3,900
enzo (a) pyrene	<5.53	<5.5	<5.5	<5.51	<5.56	48,000	8.8	390
Benzo (b) fluoranthene	<55.3	<55	<55	<55.1	<55.6	360,000	88	3,900
Benzo (ghi) perylene	<111	<110	<110	<110	<111	68,000	1,800	39,000
Benzo(k)fluoranthene	<111	<110	<110	<110	<111	870,000	880	39,000
Chrysene	<111	<110	<110	<110	<111	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.53	<5.5	<5.5	<5.51	<5.56	38,000	8.8	390
Fluoranthene	<111	<110	<110	<110	<111	500,000	600,000	40,000,000
Fluorene	<111	<110	<110	<110	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<55.3	<55	<55	<55.1	<55.6	680,000	88	3,900
Naphthalene	<111	<110	<110	<110	<111	400	20,000	110,000
Phenanthrene	<111	<110	<110	<110	<111	1,800	18,000	390,000
Pyrene	<111	<110	<110	<110	<111	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**3.62** ■	**5.08** ■	**3.1** ■	**4.04** ■	**6.48** ■	NS	0.039	1.6
Barium	<27.7	**33.2**	<27.5	**32.2**	**31.8**	NS	NS	NS
Cadmium	<0.553	<0.55	<0.55	<0.551	<0.556	NS	8	510
Chromium	**8.15**	**12.6**	**7.63**	**10.8**	**13.1**	NS	16,000(1)	NS
Copper	**14.4**	**19.8**	**15.2**	**15.7**	**21.1**	NS	NS	NS
Lead	**6.48**	**9.16**	**6.27**	**7.22**	**9.82**	NS	50	500
Nickel	**12.6**	**19.6**	**9.96**	**17.5**	**20.6**	NS	NS	NS
Silver	<2.77	<2.75	<2.75	<2.76	<2.78	NS	NS	NS
Zinc	**29.1**	**15.6**	**30**	**31.1**	**47.9**	NS	NS	NS
Mercury	<0.0443	<0.04	<0.044	<0.0441	<0.0404	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

VOCs = Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

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NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 28 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
ampling Location	SB-2035	SB-2035	SB-2036	SB-2037	SB-2038			
ampling Depth Interval (ft-bls)	6-8	12-14	6-8	6-8	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	12/8/2003	12/8/2003	12/8/2003	12/8/2003	12/8/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	**127**	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	**57.8**	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	**57.4**	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	**39.1**	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
enzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
enzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

VOCs = Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

S = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 29 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-101	CK-102	CK-103	CK-104	CK-105	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/15/2003	12/15/2003	12/15/2003	12/15/2003	12/15/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<114	<112	<116	**730**	<113	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<114	<112	<116	**335**	<113	20,000	600,000	40,000,000
Acenaphthene	<114	**159**	<116	**8,180**	<113	38,000	900,000	60,000,000
Acenaphthylene	<227	<223	<232	**1,490** ▲	<227	700	18,000	360,000
Anthracene	<114	<112	<116	**2,790**	**141**	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**111** ●	**129** ●	**67.0**	**3,820** ●	**372** ●	17,000	88	3,900
Benzo (a) pyrene	**118** ●	**82.5** ●	**93.1** ●	**2,980** ■	**122** ●	48,000	8.8	390
Benzo (b) fluoranthene	**95.1** ●	**106** ●	**64.1**	**2,620** ●	**288** ●	360,000	88	3,900
Benzo (ghi) perylene	**117**	<112	<116	**1,560**	**167**	68,000	1,800	39,000
Benzo(k)fluoranthene	<114	<112	<116	**1,210** ●	**165**	870,000	880	39,000
Chrysene	<114	<112	<116	**3,590**	**345**	37,000	8,800	390,000
Dibenz (a,h) anthracene	**65.0** ●	**66.1** ●	<5.81	**1,230** ■	**346** ●	38,000	8.8	390
Fluoranthene	**295**	<112	**150**	**9,470**	**1,030**	500,000	600,000	40,000,000
Fluorene	<114	<112	<116	**646**	<113	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**94.4** ●	**90.0** ●	**71.6**	**2,060** ●	**259** ●	680,000	88	3,900
Naphthalene	**237**	**172**	**125**	**1,110** ▲	**612** ▲	400	20,000	110,000
Phenanthrene	**181**	**202**	<116	**7,100** ▲	**648**	1,800	18,000	390,000
Pyrene	**201**	**124**	<116	**3,590**	**486**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**5.57** ■	**3.11** ■	<2.91	<2.78	<2.83	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**0.854**	<0.558	**3.68**	**2.77**	**5.08**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**19.8**	**13.3**	**26.5**	**28.5**	**60.5**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 30 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-106	CK-110	CK-111	CK-112	CK-113	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/15/2003	12/15/2003	12/15/2003	12/15/2003	12/15/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	**384**	<121	<114	<118	<111	23,000	1,100,000	70,000,000
2-Methylnaphthalene	**645**	<121	<114	**228**	<111	20,000	600,000	40,000,000
Acenaphthene	**1,100**	**159**	**480**	**401**	<111	38,000	900,000	60,000,000
Acenaphthylene	**341**	<241	<228	<237	<223	700	18,000	360,000
Anthracene	**392**	<121	**332**	**156**	<111	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**1,140** ●	**354** ●	**446** ●	**405** ●	**173** ●	17,000	88	3,900
Benzo (a) pyrene	**1,050** ■	**14.7** ●	**331** ●	**13.8** ●	**138** ●	48,000	8.8	390
Benzo (b) fluoranthene	**862** ●	**459** ●	**306** ●	**353** ●	**99.8** ●	360,000	88	3,900
Benzo (ghi) perylene	**1,010**	**174**	**314**	**236**	**194**	68,000	1,800	39,000
Benzo(k)fluoranthene	**398**	**130**	**163**	**181**	<111	870,000	880	39,000
Chrysene	**1,060**	**275**	**425**	**386**	**165**	37,000	8,800	390,000
Dibenz (a,h) anthracene	**727** ■	**137** ●	**202** ●	**215** ●	**155** ●	38,000	8.8	390
Fluoranthene	**2,890**	**783**	**1,020**	**1,080**	**338**	500,000	600,000	40,000,000
Fluorene	<114	<121	<114	<118	<111	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**875** ●	**173** ●	**279** ●	**288** ●	**172** ●	680,000	88	3,900
Naphthalene	**1,670** ▲	**181**	<114	**812** ▲	**168**	400	20,000	110,000
Phenanthrene	**1,700**	**158**	**636**	**794**	**173**	1,800	18,000	390,000
Pyrene	**1,840**	**892**	**724**	**506**	**201**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.85	**6.05** ■	**2.97** ■	<2.96	<2.78	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**7.36**	<0.603	<0.569	**1.21**	**2.66**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**23.7**	**23.4**	**18.6**	**19.4**	**25.1**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
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RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 31 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-114	CK-115	CK-119	CK-120	CK-121	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/15/2003	12/15/2003	12/15/2003	12/15/2003	12/15/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<112	**147**	<117	**157**	<116	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<112	**232**	<117	<120	<116	20,000	600,000	40,000,000
Acenaphthene	**138**	**277**	<117	<120	**243**	38,000	900,000	60,000,000
Acenaphthylene	<224	<232	<233	<240	<231	700	18,000	360,000
Anthracene	<112	**143**	<117	**150**	<116	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**206** ●	**328** ●	**97.8** ●	**259** ●	**276** ●	17,000	88	3,900
Benzo (a) pyrene	**70.2** ■	**47.7** ●	**72.9** ●	**137** ●	**99.3** ●	48,000	8.8	390
Benzo (b) fluoranthene	**164** ●	**266** ●	**76.4**	**163** ●	**195** ●	360,000	88	3,900
Benzo (ghi) perylene	**126**	**177**	<117	**202**	**149**	68,000	1,800	39,000
Benzo(k)fluoranthene	<112	**133**	<117	**126**	<116	870,000	880	39,000
Chrysene	**198**	**310**	<117	**266**	**280**	37,000	8,800	390,000
Dibenz (a,h) anthracene	**115** ●	**168** ●	**47.4** ●	**100** ●	**112** ●	38,000	8.8	390
Fluoranthene	**492**	**816**	**310**	**1,020**	**792**	500,000	600,000	40,000,000
Fluorene	<112	<116	<117	<120	<116	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**160** ●	**209** ●	**68.4**	**144** ●	**161** ●	680,000	88	3,900
Naphthalene	<112	**565** ▲	**280**	**956** ▲	<116	400	20,000	110,000
Phenanthrene	**313**	**502**	**236**	**725**	**691**	1,800	18,000	390,000
Pyrene	**263**	**357**	**133**	**388**	**363**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	4.01 ■	<2.90	**4.58** ■	**5.74** ■	<2.89	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**30.7** ●	**2.47**	<0.583	**2.07**	**0.954**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**72.3** ●	**261** ●	**18.4**	**21.9**	**12.5**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
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Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 32 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-122	CK-123	CK-124	CK-128	CK-129	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/15/2003	12/15/2003	12/15/2003	12/16/2003	12/16/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<116	<114	<117	<109	**775**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<116	<114	<117	<109	**582**	20,000	600,000	40,000,000
Acenaphthene	<116	<114	<117	<109	**198**	38,000	900,000	60,000,000
Acenaphthylene	<231	<229	<235	**358**	<223	700	18,000	360,000
Anthracene	<116	<114	<117	**365**	**350**	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**78.6**	**277** ●	**162** ●	**565** ●	**692** ●	17,000	88	3,900
Benzo (a) pyrene	**101** ●	**50.7** ●	**79.9** ●	**384** ●	**453** ■	48,000	8.8	390
Benzo (b) fluoranthene	<57.8	**236** ●	**163** ●	**438** ●	**485** ●	360,000	88	3,900
Benzo (ghi) perylene	<116	**229**	**142**	**486**	**546**	68,000	1,800	39,000
Benzo(k)fluoranthene	<116	**116**	<117	**185**	**253**	870,000	880	39,000
Chrysene	<116	**267**	**158**	**465**	**656**	37,000	8,800	390,000
Dibenz (a,h) anthracene	116	**176** ●	<5.87	**37.5** ●	**41.3** ●	38,000	8.8	390
Fluoranthene	**178**	**587**	**384**	**1,240**	**2,300**	500,000	600,000	40,000,000
Fluorene	<116	<114	<117	**218**	**148**	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**161** ●	**236** ●	**157** ●	**368** ●	**397** ●	680,000	88	3,900
Naphthalene	<116	**489** ▲	**295**	**1,460** ▲	**1,820** ▲	400	20,000	110,000
Phenanthrene	<116	**457**	**268**	**1,860** ▲	**2,470** ▲	1,800	18,000	390,000
Pyrene	<116	**275**	**227**	**746**	**823**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**2.93** ■	**2.87** ■	<2.93	<2.72	<2.78	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**2.59** ●	**4.85**	**6.44**	**<0.544**	**1.42**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**26.8**	**31.9**	**22.3**	**5.59**	**18.7**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
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▲ Indicates concentration exceeds groundwater protection RCL.
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S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 33 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-130	CK-131	CK-132	CK-133	CK-137			
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4	Groundwater	Non-Industrial	Industrial
Sampling Date	12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/16/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<118	<112	<135	<116	**497**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<118	<112	**202**	<116	**868**	20,000	600,000	40,000,000
Acenaphthene	<118	<112	**199**	<116	**1,140**	38,000	900,000	60,000,000
Acenaphthylene	<236	<224	<271	<233	**229**	700	18,000	360,000
Anthracene	**162**	<112	**205**	<116	**426**	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**398** ●	**58.6** ●	**551** ●	<58.2	**879** ●	17,000	88	3,900
Benzo (a) pyrene	**347** ●	**56.5** ●	**499** ■	**53.7** ●	**704** ■	48,000	8.8	390
Benzo (b) fluoranthene	**381** ●	**56.1**	**377** ●	<58.2	**722** ●	360,000	88	3,900
Benzo (ghi) perylene	**281**	<112	**392**	<116	**590**	68,000	1,800	39,000
Benzo(k)fluoranthene	**194**	<112	**221**	<116	**277**	870,000	880	39,000
Chrysene	**370**	<112	**518**	<116	**887**	37,000	8,800	390,000
Dibenz (a,h) anthracene	**37.2** ●	**54.1** ●	**310** ●	**43.7** ●	**414** ■	38,000	8.8	390
Fluoranthene	**670**	**167**	**1,360**	**134**	**923**	500,000	600,000	40,000,000
Fluorene	<118	<112	<135	<116	**176**	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**325** ●	**59.6**	**406** ●	**60.2**	**487** ●	680,000	88	3,900
Naphthalene	<118	<112	**1,280** ▲	<116	<122	400	20,000	110,000
Phenanthrene	**553**	**116**	**1,050**	<116	**1,590**	1,800	18,000	390,000
Pyrene	**1,220**	<112	**978**	<116	**919**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.96	<2.80	<3.38	<2.91	<2.79	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	<0.591	**8.70** ●	**7.57**	**12.3** ●	**1.06**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**11.7**	**21.8**	**49.3**	**38.6**	**15.8**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 34 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-138	CK-139	CK-140	CK-141	CK-142			
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4	Groundwater	Non-Industrial	Industrial
Sampling Date	12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/16/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<110	**271**	<97.6	<120	**426**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	**731**	**2,430**	<97.6	<120	**1,040**	20,000	600,000	40,000,000
Acenaphthene	**937**	**1,020**	<97.6	<120	**623**	38,000	900,000	60,000,000
Acenaphthylene	<221	**655**	<195	<239	**617**	700	18,000	360,000
Anthracene	**375**	**1,340**	<97.6	<120	**339**	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**696** ●	**2,250** ●	**53.4**	<59.8	**696** ●	17,000	88	3,900
Benzo (a) pyrene	**433** ■	**2,280** ■	**90.7** ●	<5.98	**700** ■	48,000	8.8	390
Benzo (b) fluoranthene	**534** ●	**1,250** ●	**100** ●	<59.8	**620** ●	360,000	88	3,900
Benzo (ghi) perylene	**438**	**1,090**	<97.6	<120	**471**	68,000	1,800	39,000
Benzo(k)fluoranthene	**249**	**730**	<97.6	<120	**297**	870,000	880	39,000
Chrysene	**666**	**2,450**	<97.6	<120	**620**	37,000	8,800	390,000
Dibenz (a,h) anthracene	**31.8** ●	**74.5** ●	<4.88	<5.98	**422** ■	38,000	8.8	390
Fluoranthene	**2,010**	**6,770**	**202**	<120	**1,700**	500,000	600,000	40,000,000
Fluorene	<110	**509**	<97.6	<120	<120	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	**389** ●	**1,180** ●	<48.8	<59.8	**554** ●	680,000	88	3,900
Naphthalene	**1,160** ▲	**237**	<97.6	<120	**1,170** ▲	400	20,000	110,000
Phenanthrene	**1,810** ▲	**7,700** ▲	<97.6	<120	**1,270**	1,800	18,000	390,000
Pyrene	**748**	**4,110**	**111**	<120	**957**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.76	<2.94	<2.94	**4.91**	**3.08**	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**1.13**	**11.7** ●	**11.7** ●	**1.28**	**2.10**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**12.4**	**294** ●	**294** ●	**9.11**	**24.2**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 35 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
`ampling Location	CK-146	CK-147	CK-148	CK-149	CK-150	Groundwater	Non-Industrial	Industrial
ampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/16/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	**379**	**769**	<121	<119	<135	23,000	1,100,000	70,000,000
2-Methylnaphthalene	**913**	**1,830**	<121	<119	<135	20,000	600,000	40,000,000
Acenaphthene	**372**	**854**	**557**	<119	<135	38,000	900,000	60,000,000
Acenaphthylene	**254**	**1,280** ▲	<241	<238	<271	700	18,000	360,000
Anthracene	**250**	**489**	**318**	<119	<135	3,000,000	5,000,000	300,000,000
ᐧenzo (a) anthracene	**2,020** ●	**922** ●	**507** ●	**89.2** ●	<67.7	17,000	88	3,900
enzo (a) pyrene	**87.0** ●	**708** ■	**448** ■	**79.2** ●	**12.1** ●	48,000	8.8	390
Benzo (b) fluoranthene	<57.2	**695** ●	**397** ●	**76.3**	<67.7	360,000	88	3,900
Benzo (ghi) perylene	<114	<111	**291**	<119	<135	68,000	1,800	39,000
Benzo(k)fluoranthene	<114	**333**	**205**	<119	<135	870,000	880	39,000
Chrysene	**1,710**	**1,050**	**502**	<119	<135	37,000	8,800	390,000
Dibenz (a,h) anthracene	**577** ■	<5.57	<6.03	<119	<6.77	38,000	8.8	390
Fluoranthene	**1,870**	**2,870**	**1,600**	**71.3**	<135	500,000	600,000	40,000,000
Fluorene	<114	**274**	**165**	<119	<135	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<57.2	**529** ●	**336** ●	**76.6**	<67.7	680,000	88	3,900
Naphthalene	<114	**2,110** ▲	**1,500** ▲	<119	<135	400	20,000	110,000
Phenanthrene	**1,250**	**2,560** ▲	**1,520**	**131**	<135	1,800	18,000	390,000
Pyrene	**1,070**	**1,170**	**732**	**119**	<135	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	**14.6** ■	<2.79	<3.02	**4.45** ■	<3.39	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**2.64**	**0.822**	**1.50**	**3.22**	**3.23**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**31.7**	**15.1**	**18.8**	**33.7**	**138** ●	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:

Table includes detected analytes only.

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● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

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VOCs = Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

S = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 36 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
`ampling Location	CK-151	CK-155	CK-156	CK-157	CK-158	Groundwater	Non-Industrial	Industrial
ampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/16/2003	12/16/2003	12/16/2003	12/16/2003	12/16/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<121	<115	<111	<121	<120	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<121	**437**	417	<121	<120	20,000	600,000	40,000,000
Acenaphthene	<121	**712**	**594**	<121	<120	38,000	900,000	60,000,000
Acenaphthylene	<243	<229	<221	<243	<241	700	18,000	360,000
Anthracene	<121	**348**	**298**	<121	<120	3,000,000	5,000,000	300,000,000
`enzo (a) anthracene	<60.7	**381** ●	**510** ●	<60.6	**106**	17,000	88	3,900
enzo (a) pyrene	**29.6** ●	**285** ●	**342** ●	**47.9** ●	**73.2** ●	48,000	8.8	390
Benzo (b) fluoranthene	<60.7	**310** ●	**379** ●	<60.6	**82.9**	360,000	88	3,900
Benzo (ghi) perylene	<121	**169**	**165**	<121	<120	68,000	1,800	39,000
Benzo(k)fluoranthene	<121	**129**	**174**	<121	<120	870,000	880	39,000
Chrysene	<121	**337**	**474**	<121	<120	37,000	8,800	390,000
Dibenz (a,h) anthracene	**45.7** ■	**198** ●	**244** ●	<6.06	<6.02	38,000	8.8	390
Fluoranthene	<121	**989**	**1,370**	**159**	**295**	500,000	600,000	40,000,000
Fluorene	<121	**238**	**124**	<121	<120	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<60.7	**203** ●	**287** ●	<60.6	**79.5**	680,000	88	3,900
Naphthalene	<121	**597** ▲	<111	<121	<120	400	20,000	110,000
Phenanthrene	<121	**876**	**1,450**	<121	**194**	1,800	18,000	390,000
Pyrene	<121	**371**	**564**	<121	**136**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<3.03	<2.87	<2.76	**3.65** ■	<3.01	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**7.95**	**0.954**	**1.93**	**4.09**	<0.602	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**67.6** ●	**11.4**	**14.7**	**39.3**	**7.48**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
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▲ Indicates concentration exceeds groundwater protection RCL.
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NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 37 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-159	CK-160	CK-164	CK-165	CK-166	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	0-4	0-4			
Sampling Date	12/16/2003	12/16/2003	12/17/2003	12/17/2003	12/17/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	NA	NA	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	NA	NA	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	NA	NA	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Ethylbenzene	NA	NA	NA	NA	NA	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
n-Propylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	NA	NA	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	NA	NA	NS	NS	NS
Tetrachloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Toluene	NA	NA	NA	NA	NA	1500	NS	NS
Xylenes	NA	NA	NA	NA	NA	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichloroethene	NA	NA	NA	NA	NA	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	NA	NA	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<121	<103	**1,140**	<116	<118	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<121	<103	**416**	<116	**2,660**	20,000	600,000	40,000,000
Acenaphthene	<121	<103	**307**	<116	**5,130**	38,000	900,000	60,000,000
Acenaphthylene	<242	<207	<239	<231	<236	700	18,000	360,000
Anthracene	<121	<103	**469**	<116	**1,870**	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	<60.6	**77.3**	**565** ●	**101** ●	**2,630** ●	17,000	88	3,900
Benzo (a) pyrene	**13.5** ●	**98.3** ●	**519** ■	**76.7** ●	**1,900** ■	48,000	8.8	390
Benzo (b) fluoranthene	<60.6	**64.5**	**523** ●	**72.8**	**2,130** ●	360,000	88	3,900
Benzo (ghi) perylene	<121	<103	**503**	<116	**1,360**	68,000	1,800	39,000
Benzo(k)fluoranthene	<121	<103	**260**	<116	**792**	870,000	880	39,000
Chrysene	<121	<103	**645**	<116	**3,050**	37,000	8,800	390,000
Dibenz (a,h) anthracene	<6.06	**19.4** ●	**436** ■	**83.0** ●	**1,280** ■	38,000	8.8	390
Fluoranthene	<121	**242**	**1,310**	**350**	**9,110**	500,000	600,000	40,000,000
Fluorene	<121	<103	**218**	<116	**1,040**	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<60.6	**61.4**	**440** ●	**66.9**	**1,250** ●	680,000	88	3,900
Naphthalene	<121	<103	**1,270** ▲	<116	<118	400	20,000	110,000
Phenanthrene	<121	**149**	**1,690**	**378**	**6,990** ▲	1,800	18,000	390,000
Pyrene	<121	**150**	**1,830**	**148**	**3,220**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<3.03	<2.93	**6.40** ■	<2.89	<2.95	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**1.24**	**3.75**	<0.597	<0.579	**6.31**	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**16.6**	**724** ■	**55.4** ●	**8.70**	**33.0**	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 38 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	CK-167	CK-168	CK-169	SB-2039	SB-2040	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	0-4	0-4	0-4	1-3	1-3			
Sampling Date	12/17/2003	12/17/2003	12/17/2003	12/22/2003	12/22/2003			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	NA	NA	NA	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	NA	NA	NA	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	NA	NA	NA	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	NA	NA	NA	**48.6**	**48.0**	NS	NS	NS
1,3,5-Trimethylbenzene	NA	NA	NA	**39.5**	<25.0	NS	NS	NS
Carbon tetrachloride	NA	NA	NA	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
Ethylbenzene	NA	NA	NA	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	<25.0	<25.0	400	20,000	110,000
n-Butylbenzene	NA	NA	NA	**40.0**	<25.0	NS	NS	NS
n-Propylbenzene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
Toluene	NA	NA	NA	<25.0	<25.0	1500	NS	NS
Xylenes	NA	NA	NA	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
Trichloroethene	NA	NA	NA	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	NA	NA	NA	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	<107	**204**	<120	**1,470**	**1,280**	23,000	1,100,000	70,000,000
2-Methylnaphthalene	<107	**506**	<120	**717**	**530**	20,000	600,000	40,000,000
Acenaphthene	<107	**300**	<120	**282**	**273**	38,000	900,000	60,000,000
Acenaphthylene	<214	**245**	<241	**304**	**310**	700	18,000	360,000
Anthracene	<107	**284**	<120	**691**	**540**	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	**53.8**	**282** ●	<60.2	**1,320** ●	**1,130** ●	17,000	88	3,900
Benzo (a) pyrene	**73.2** ●	**237** ●	**12.4** ●	**790** ■	**692** ■	48,000	8.8	390
Benzo (b) fluoranthene	**57.4**	**114** ●	<60.2	**896** ●	**756** ●	360,000	88	3,900
Benzo (ghi) perylene	<107	<118	<120	**992**	**834**	68,000	1,800	39,000
Benzo(k)fluoranthene	<107	<118	<120	**469**	**399**	870,000	880	39,000
Chrysene	<107	**788**	<120	**1,230**	**737**	37,000	8,800	390,000
Dibenz (a,h) anthracene	<5.36	<5.90	<6.02	**513** ■	**412** ■	38,000	8.8	390
Fluoranthene	**138**	**527**	<120	**3,110**	**2,410**	500,000	600,000	40,000,000
Fluorene	<107	**191**	<120	**230**	**232**	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	<53.6	**204** ●	<60.2	**521** ●	**435** ●	680,000	88	3,900
Naphthalene	<107	**305**	<120	**353**	**285**	400	20,000	110,000
Phenanthrene	**128**	**656**	<120	**3,810** ▲	**3,170** ▲	1,800	18,000	390,000
Pyrene	**133**	**718**	<120	**1,360**	**1,040**	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	<2.95	<2.95	<3.01	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	**1.17**	<0.590	<0.602	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	**16.9**	**40.3**	**7.13**	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 39 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	SB-3011	SB-3011	SB-3011	SB-3012	SB-3012			
Sampling Depth Interval (ft-bls)	2-4	6-8	10-12	2-4	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	4/6/2004	4/6/2004	4/6/2004	4/6/2004	4/6/2004			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	**59.8**	**310**	<25.0	**147**	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	**72.2**	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	**29.7**	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	**84.2**	<25.0	<25.0	NS	NS	NS
Toluene	**36.9**	**45.9**	<25.0	<25.0	**39.0**	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:

Table includes detected analytes only.

■ Indicates concentration exceeds industrial direct contact RCL.

● Indicates concentration exceeds non-industrial direct contact RCL.

▲ Indicates concentration exceeds groundwater protection RCL.

Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.

RCL = Residual Contaminant Level, protective of groundwater.

VOCs = Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

RCRA - Resource Conservation and Recovery Act

NS = No Standard

NA - Not Analyzed

(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 40 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.						Soil Standards NR 720 RCLs	
Sampling Location	SB-3012	SB-3013	SB-3013	SB-3014	SB-3014	Groundwater	Non-Industrial	Industrial
Sampling Depth Interval (ft-bls)	10-12	2-4	6-8	2-4	10-12			
Sampling Date	4/6/2004	4/6/2004	4/6/2004	4/6/2004	4/6/2004			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	**311**	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	**31.9**	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	**53.3**	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	**30.1**	**53.1**	<25.0	**35.6**	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
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NS = No Standard
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(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 41 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs		
Sampling Location	SB-3015	SB-3015	SB-3016	SB-3016	SB-3017			
Sampling Depth Interval (ft-bls)	2-4	6-8	5-7	10-12	6-8	Groundwater	Non-Industrial	Industrial
Sampling Date	4/6/2004	4/6/2004	4/6/2004	4/6/2004	4/6/2004			
Parameter								
VOCs (ug/kg)						ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	**33.5**	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	**38.1**	**44.2**	**30.0**	**323**	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	**61.7**	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)						ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)						mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
S = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 1 (Page 42 of 42)
Soil Sample Analytical Results Summary
Brass Community School Site

	Soil Sample I.D.					Soil Standards NR 720 RCLs	
Sampling Location	**SB-3017**	**SB-3018**	**SB-3018**	**SB-3018**			
Sampling Depth Interval (ft-bls)	**10-12**	**4-6**	**10-12**	**12-13**	**Groundwater**	**Non-Industrial**	**Industrial**
Sampling Date	**4/6/2004**	**4/6/2004**	**4/6/2004**	**4/6/2004**			
Parameter							
VOCs (ug/kg)					ug/kg	ug/kg	ug/kg
Benzene	<25.0	<25.0	<25.0	<25.0	5.5	NS	NS
1,1,1-Trichloroethane	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,1-Dichloroethane	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,3-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trichlorobenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,2,4-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
1,3,5-Trimethylbenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Carbon tetrachloride	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
cis-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	2,900	NS	NS
Isopropylbenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Methyllene chloride	<100	<100	<100	<100	NS	NS	NS
Naphthalene	NA	NA	NA	NA	400	20,000	110,000
n-Butylbenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
n-Propylbenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
p-Isopropyltoluene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
sec-Butylbenzene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Tetrachloroethene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Toluene	<25.0	**30.9**	<25.0	<25.0	1500	NS	NS
Xylenes	<25.0	<25.0	<25.0	<25.0	4,100	NS	NS
trans-1,2-Dichloroethene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichloroethene	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
Trichlorofluoromethane	<25.0	<25.0	<25.0	<25.0	NS	NS	NS
PAHs (ug/kg)					ug/kg	ug/kg	ug/kg
1-Methylnaphthalene	NA	NA	NA	NA	23,000	1,100,000	70,000,000
2-Methylnaphthalene	NA	NA	NA	NA	20,000	600,000	40,000,000
Acenaphthene	NA	NA	NA	NA	38,000	900,000	60,000,000
Acenaphthylene	NA	NA	NA	NA	700	18,000	360,000
Anthracene	NA	NA	NA	NA	3,000,000	5,000,000	300,000,000
Benzo (a) anthracene	NA	NA	NA	NA	17,000	88	3,900
Benzo (a) pyrene	NA	NA	NA	NA	48,000	8.8	390
Benzo (b) fluoranthene	NA	NA	NA	NA	360,000	88	3,900
Benzo (ghi) perylene	NA	NA	NA	NA	68,000	1,800	39,000
Benzo(k)fluoranthene	NA	NA	NA	NA	870,000	880	39,000
Chrysene	NA	NA	NA	NA	37,000	8,800	390,000
Dibenz (a,h) anthracene	NA	NA	NA	NA	38,000	8.8	390
Fluoranthene	NA	NA	NA	NA	500,000	600,000	40,000,000
Fluorene	NA	NA	NA	NA	100,000	600,000	40,000,000
Indeno (1,2,3-cd) pyrene	NA	NA	NA	NA	680,000	88	3,900
Naphthalene	NA	NA	NA	NA	400	20,000	110,000
Phenanthrene	NA	NA	NA	NA	1,800	18,000	390,000
Pyrene	NA	NA	NA	NA	8,700,000	500,000	30,000,000
RCRA Metals (mg/kg)					mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NS	0.039	1.6
Barium	NA	NA	NA	NA	NS	NS	NS
Cadmium	NA	NA	NA	NA	NS	8	510
Chromium	NA	NA	NA	NA	NS	16,000(1)	NS
Copper	NA	NA	NA	NA	NS	NS	NS
Lead	NA	NA	NA	NA	NS	50	500
Nickel	NA	NA	NA	NA	NS	NS	NS
Silver	NA	NA	NA	NA	NS	NS	NS
Zinc	NA	NA	NA	NA	NS	NS	NS
Mercury	NA	NA	NA	NA	NS	NS	NS

Notes:
Table includes detected analytes only.
■ Indicates concentration exceeds industrial direct contact RCL.
● Indicates concentration exceeds non-industrial direct contact RCL.
▲ Indicates concentration exceeds groundwater protection RCL.
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
RCL = Residual Contaminant Level, protective of groundwater.
VOCs = Volatile Organic Compounds
PAHs - Polynuclear Aromatic Hydrocarbons
RCRA - Resource Conservation and Recovery Act
NS = No Standard
NA - Not Analyzed
(1) The RCL for trivalent chromium is 16,000 mg/kg. The RCL from hexavalent chromium is 14 mg/kg. Based on the history of the site, there is no reason to suspect the presence of hexavalent chromium which is typically associated with activities such as metal plating.

TABLE 3 (Page 1 of 1)
Venting System Sampling Analytical Results
The Brass Community School Site
CRI - January 2009

Parameters	Sample I.D.							
VOCs (ppbv)	VS-1	VS-2	VS-3	VS-4 (1)	USEPA Residential Air Screening Level ppbv (2)	USEPA Residential Air Screening Level ug/m3 (2)	WDNR Residential Indoor Air Screening Level ppbv	OSHA PEL
Acetone	**27.5**	**40.3**	**36.8**	**7.8**	13,479	32,000	134,790	1,000,000
Benzene	<1.1	**44.2** ●▲	<0.82	<0.82	0.097	0.31	0.97	10,000
2-Butanone	**6.8**	**10.7**	<0.86	**1.1**	1,764	5,200	17,640	200,000
Chloroethane	**160**	**714**	<0.80	<0.80	3,793	10,000	37,930	NS
Dichlorodifluoromethane	<1.1	<0.86	**0.82**	<0.80	42.5	210	425	1,000,000
n-Hexane	<1.1	<0.89	**24.1**	<0.83	207	730	2,070	500,000
Methylene Chloride	**3.1** ●	**3.7** ●	**470** ●▲	**2.1** ●	1.5	5.2	15	25,000 (5)
Tetrahydrofuran	**9.5**	**7.1**	<0.82	<0.82	NA	NA	NA	200,000
Toluene	<1.1	**1.7**	<0.82	<0.82	1,381	5,200	13,810	200,000
1,1,1-Trichloroethane	<1.1	**0.91**	<0.82	<0.82	954	5,200	9,540	350,000
Trichloroethene	<1.1	**3.0** ●	<0.82	<0.82	0.22	1.2	2.2	100,000
1,2,4-Trimethylbenzene	<1.1	**0.97**	<0.80	<0.80	1.5	7.3	15	NS
m&p-Xylene	<2.2	**2.8**	<1.6	<1.6	23 (3)	100 (3)	230 (4)	100,000 (6)
0-Xylene	<1.1	**0.93**	<0.82	<0.82	23 (3)	100 (3)	230 (4)	100,000 (6)

Notes:

● - Concentration exceeds USEPA residential air screening level

▲ - Concentration exceeds WDNR residential indoor air target level with assumed dilution attenuation factor (DAF) of 10

A total of 57 VOCs were analyzed for each sample under analytical method TO-15, only detected analytes are included on the table

Bold type indicates analyte was present above the laboratory reporting limit

ppbv - Parts per billion by volume

VOCs - Volatile organic compounds

USEPA - United States Environmental Protection Agency

WDNR - Wisconsin Department of Natural Resources

OSHA - Occupational Safety and Health Administration

PEL - Permissible exposure limit from OSHA tables Z-1 and Z-2 CFR 1910.1000, provided for reference only

(1) - Sample VS-4 is a field blank sample for quality assurance/quality control

(2) - USEPA Supplemental Guidance to Risk Assessment Guidance for Superfund Regional Screening Levels

(3) - The USEPA residential screening level for xylenes is 23 ppbv for the combined total of the m,p & o isomers or 168 ppbv for the individual isomers.

(4) - The WDNR residential indoor air target level for xylenes is 230 ppbv for the combined total of the m,p & o isomers or 1,680 ppbv for the individual isomers.

(5) - The PEL for methylene choride is listed in CFR 1910.1052

(6) - The PEL for xylenes is for the combined total of the m,p & o isomers

TABLE 3 (Page 1 of 2)
Groundwater Sample Analytical Results Summary
Brass Community school

Sample ID	MW-9							NR 140 Standards	
Sample Collection Date	10/30/90	11/20/95	10/15/98	06/06/01	07/03/02	10/02/03	12/18/03	PAL	ES
Analyte									
VOCs (ug/l)									
Vinyl chloride	<10	<1	<10	<0.19	<5	<0.312	<0.652	0.02	0.2
PAHs (u/l)									
Acenaphthene	NA	NA	NA	NA	<5	NA	<5.00	NS	NS
Antracene	NA	NA	NA	NA	<5	NA	<5.00	600	3,000
Benzo(a)anthracene	NA	NA	NA	NA	<0.1	NA	<0.100	NS	NS
Benzo(a)pyrene	NA	NA	NA	NA	<0.02	NA	<0.0200	0.02	0.2
Benzo(b)fluoranthene	NA	NA	NA	NA	<0.02	NA	<0.0200	0.02	0.2
Benzo(ghi)prylene	NA	NA	NA	NA	<5	NA	<5.00	NS	NS
Benzo(k)fluoranthene	NA	NA	NA	NA	<0.1	NA	<0.100	NS	NS
Chrysene	NA	NA	NA	NA	<0.02	NA	<0.0200	0.02	0.2
Dibenz(a,h)anthracene	NA	NA	NA	NA	<0.1	NA	<0.100	NS	NS
Fluoranthene	NA	NA	NA	NA	<5	NA	<5.00	80	400
Fluorene	NA	NA	NA	NA	<5	NA	<5.00	80	400
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	<0.02	NA	<0.200	NS	NS
1-Methylnaphthalene	NA	NA	NA	NA	<5	NA	<5.00	NS	NS
2-Methylnaphthalene	NA	NA	NA	NA	<5	NA	<5.00	NS	NS
Naphthalene	NA	NA	NA	NA	<5	NA	<5.00	8	40
Phenanthrene	NA	NA	NA	NA	<5	NA	<5.00	NS	NS
Pyrene	NA	NA	NA	NA	<5	NA	<5.00	50	250
Dissolved Public Health Metals (mg/l)									
Cadmium	NA	NA	NA	NA	<0.005	NA	NA	0.0005	0.005
Public Welfare Parameters (mg/l)									
Iron	NA	NA	**1.94** ■	NA	NA	NA	NA	0.15	0.3
Manganese	NA	NA	**0.052** ■	NA	NA	NA	NA	0.025	0.05
Sulfate	NA	NA	**228** ◆	NA	NA	NA	NA	2.5	250

Notes:
Table includes detected analytes only
◆ Indicates concentration exceeds preventive action limit
■ Indicates concentration exceeds enforcement standard
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
PAL = Preventive Action Limit
ES = Enforcement Standard
VOCs = Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
NA = Not Analyzed
ND = No Detect
NS = No Standard

TABLE 3 (Page 2 of 2)
Groundwater Sample Analytical Results Summary
Brass Community school

Sample ID	MW-11				GP01-09	MW-112		NR 140 Standards	
Sample Collection Date	05/14/91	11/20/95	10/19/98	07/02/02	06/03/01	10/01/03	12/19/03	PAL	ES
Analyte									
VOCs (ug/l)									
Vinyl chloride	<10	<1	<10	<0.5	NA	<0.312	**1.44** ■	0.02	0.2
PAHs (u/l)									
Acenaphthene	NA	NA	NA	<5	**0.14**	<5.00	<5.00	NS	NS
Antracene	NA	NA	NA	<5	**0.063**	<5.00	<5.00	600	3,000
Benzo(a)anthracene	NA	NA	NA	<0.1	**0.29**	<0.100	<0.100	NS	NS
Benzo(a)pyrene	NA	NA	NA	<0.02	**0.12** ◆	<0.0200	<0.0200	0.02	0.2
Benzo(b)fluoranthene	NA	NA	NA	<0.02	**0.092** ◆	<0.0200	<0.0200	0.02	0.2
Benzo(ghi)prylene	NA	NA	NA	<5	**0.053**	<5.00	<5.00	NS	NS
Benzo(k)fluoranthene	NA	NA	NA	<0.1	**0.021**	<0.100	<0.100	NS	NS
Chrysene	NA	NA	NA	**45** ■	**0.28** ■	<0.0200	<0.0200	0.02	0.2
Dibenz(a,h)anthracene	NA	NA	NA	<0.1	**0.046**	<0.100	<0.100	NS	NS
Fluoranthene	NA	NA	NA	<5	**0.099**	<5.00	<5.00	80	400
Fluorene	NA	NA	NA	<5	**0.1**	<5.00	<5.00	80	400
Indeno(1,2,3-cd)pyrene	NA	NA	NA	<0.02	**0.028**	<0.200	<0.200	NS	NS
1-Methylnaphthalene	NA	NA	NA	<5	**0.27**	<5.00	<5.00	NS	NS
2-Methylnaphthalene	NA	NA	NA	<5	**0.22**	<5.00	<5.00	NS	NS
Naphthalene	NA	NA	NA	<5	**0.044**	<5.00	<5.00	8	40
Phenanthrene	NA	NA	NA	<5	**0.2**	<5.00	<5.00	NS	NS
Pyrene	NA	NA	NA	<5	**0.46**	<5.00	<5.00	50	250
issolved Public Health Metals (mg/l)									
Cadmium	**0.0022** ◆	NA	NA	<0.005	NA	NA	NA	0.0005	0.005
Public Welfare Parameters (mg/l)									
Iron	NA	NA	**0.75** ■	NA	NA	**0.218** ◆	NA	0.15	0.3
Manganese	NA	NA	**0.037** ◆	NA	NA	**0.209** ■	NA	0.025	0.05
Sulfate	NA	NA	**86**	NA	NA	NA	NA	2.5	250

Notes:
Table includes detected analytes only
◆ Indicates concentration exceeds preventive action limit
■ Indicates concentration exceeds enforcement standard
Bold typed results indicate that the analyte was present at a concentration equal to or greater than the laboratory detection limit.
PAL = Preventive Action Limit
ES = Enforcement Standard
VOCs = Volatile Organic Compounds
PAHs = Polynuclear Aromatic Hydrocarbons
NA = Not Analyzed
ND = No Detect
NS = No Standard

TRC ENVIRONMENTAL

Table 2-1. Summary of Groundwater Level Measurements for Monitoring Wells (7/2002 to present)
East Side of Former Outokumpu Copper Kenosha Facility
Kenosha, Wisconsin

Monitoring Well ID	Well Construction			Depth to Water (ft, from Top of Casing)							
	Top of Casing Elevation (ft, MSL)	Total Depth (ft, BGS)	Screen Interval (ft, BGS)	7/1/02 to 7/3/02	9/30/03 to 10/6/03	12/9/03 to 12/22/03	3/22/04 to 3/26/04	6/14/04	12/14/04 to 12/21/04	6/20/05	8/15/05
MW-3	613.04	27.5	17.5 - 27.5	5.75	Abandoned						
MW-4	611.06	23.0	13 - 23	9.00	7.57	6.84	6.72	6.09	6.60	6.99	7.10
MW-9	613.05	23.5	13.5 - 23.5	11.43	7.59	6.24	6.09	5.39	5.92	6.56	6.90
MW-11	604.95	26.0	16 - 26	10.76	Abandoned						
MW-112	615.71	20.0	10 - 20	Not installed	9.65	8.48	7.91	2.63	7.30	7.85	8.57
MW-113	611.17	18.0	8 - 18	Not installed	4.42	Under water	3.07	2.94	1.70	3.48	3.50

Notes:
ft - Feet
BGS - Below ground surface
MSL - Mean sea level
Under water - Well was completely under water and/or ice; no water level was taken
Not installed - Well had not been installed as of the sampling date in question