



A Division of SET Environmental Inc.
735 North Water Street, Suite 510
Milwaukee, Wisconsin 53202
Phone (414) 224-8300
Fax (414) 224-8383

November 30, 2017

Mr. Paul Grittner
Wisconsin Department of Natural Resources
101 S. Webster Street
Post Office Box 7921
Madison Wisconsin 53707-7921

email: paul.grittner@wisconsin.gov

SUBJECT: Review of Contaminated Material Management Plan (CMMP)
Former Boys and Girls Club, 1632 N Franklin Pl, Milwaukee, WI
WDNR BRRTS Activity #: 02-41-578482; 03-41-578483
FID #: 341282260

Dear Mr. Grittner:

Key Engineering Group, Ltd. (KEY) appreciates your prompt review of the CMMP submitted to the Wisconsin Department of Natural Resources (WDNR) on November 15, 2017. The purpose of this letter is to respond to the information you requested and to facilitate approval for a plan for disposal of soil at the Former Boys and Girls Club site ("site" or "subject property") at separate destination facilities.

In your e-mail dated November 28, 2017, you requested further explanation. Your numbered questions are presented below in *italics*.

1) *On November 20, 2017, Key provided the DNR a copy of a 'Post Grading Soil Sample Location Map', indicating that soil management activities have already been conducted at this site. Describe what material management activities have already been done at the site including what material was disturbed and where it was moved to. Describe any excavation activities that have already been conducted, whether soil has been transported offsite, and where that soil was transported to. The Plan indicates that the former Boys and Girls Club building had a basement. If so, explain whether the basement was filled in after the building was demolished and how this was accomplished. Were borings B-1 through B-14 advanced after the building was removed? Were they advanced before or after any filling, grading, or excavation occurred?*

The former Boys and Girls Club building was demolished in 2016. The foundation, basement walls, and floor slab were removed and hauled off-site to a landfill as construction debris. During demolition, the perimeter of the former building was graded to a stable slope.

A Site Investigation and Remedial Action Options Report (SI/RAOR) was submitted to WDNR in March 2017. The selected remedy for the impacted soil was an engineered barrier and maintenance plan. The remedy was selected based on the limited extent of trace-level groundwater impacts and to eliminate the direct contact exposure pathway for non-industrial land use.

Plans for developing the property were finalized for a new building to be constructed that would encompass the entire parcel. Underground parking was included as part of the property development, requiring removal of impacted and non-impacted soil from the site.

The soil removal is an aspect of the redevelopment only. In KEY's opinion, the soil removal is not part of a remedial action (whether approved or not-approved), not part of a response action, nor part of an interim action. The development of the property is the sole purpose in excavating and removing the soil from the subject property.

The proposed destination for the clean or nominally-impacted soil is the Milwaukee Solvay site in Milwaukee (BRRS # 02-41-466662; "destination facility") for use as an engineered barrier over impacted soil that exceeds the NR 720 RCL for industrial direct contact. For the destination facility to accept soil from the subject site, a thorough characterization was requested. The proposed quantity of samples is one sample for every 100 cubic yards for the first 600 cubic yards, then additional soil samples every 300 cubic yards for the remaining quantity of soil. Since an estimated 16,000 cubic yards of soil was proposed to be removed from the subject site, a minimum of 58 soil samples is necessary for characterization.

All soil samples were collected from the building footprint and were analyzed for polynuclear aromatic hydrocarbons (PAHs). Five randomly-selected soil samples were analyzed for RCRA metals, volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs).

To allow access to the perimeter of the site for soil sampling using truck-mounted direct-push sampling methods, minor grading of the perimeter was conducted. No imported fill was brought to the site, other than 3-inch crushed stone at the site entrance to allow equipment traffic. The objective of the minor grading activity was to allow access for advancing borings B-1 through B-14 for soil sampling.

Except for the former heating oil UST basin area and limited, discontinuous PAHs impact to shallow soil, the results of the site investigation suggested no impact or trace-level detections in soil greater than 5 feet below ground surface.

2) *Contamination in near surface soil has been attributed to coal fines mixed in with the soil. How much coal (as a percentage of the material) is expected to be mixed in with surface soil at the site? Over what portion of the site was this material identified? Soil that contains a significant amount of other waste material cannot be managed offsite with a Wis. Admin. Code § NR 718.12 exemption.*

It may be helpful to provide logs for borings advanced at the site to demonstrate soil conditions. Note that a boring log must be submitted to the DNR within 60 days of being advanced (Wis. Admin. Code § NR 141.23(3))

Suspected coal fines are in trace quantities. No significant level of coal fines or waste of any kind have been observed in any samples, and no physical evidence of where coal was stored on-site has been identified. KEY believes the material excavated from the site had trace coal fines and qualifies for and exemption under NR 718.12.

3) *Clarify how much material will be excavated at this site and how much is proposed to be managed at the various disposal sites. Is the total volume to be generated at this site expected to be 16,000 yards? How much of the material is proposed to be taken to R&R Excavating Facility; how much material is proposed to be taken to the Milwaukee Solvay site? Will any of the material be used as fill on site? There appears to be one area in the north-central portion of the site that requires fill material. Where will that fill material come from?*

The expected volume of soil to be removed from the subject property is 16,000 cubic yards. An estimated 5,250 cubic yards of material that exceeds the NR 720 RCL for non-industrial direct contact and/or the NR 720 RCL for the groundwater pathway is proposed to be transported to the

R&R Excavating Site in Cedarburg, Wisconsin as part of a low hazard exemption under solid waste rule. No impacted soil that exceeds the NR 720 RCL has been removed from the site.

4) Soil that contains PAHs below standards cannot be managed as exempt waste. A separate request for an exemption under Wis. Admin. Code § NR 718.12 must be submitted, or the existing "Contaminated Material Management Plan" must be updated, to include all required information for the DNR to review and approve the management of contaminated material at the Milwaukee Solvay site.

This letter is incorporated by reference to the submitted CMMP for the development at the Former Boys and Girls Club site. Management of excavated material will be governed by the submitted CMMP and this letter. Where conflict exists between this letter and the CMMP, this letter will prevail. In addition, WDNR conditional approval of the CMMP will be followed.

One objective of this letter is to request an exemption under NR 718.12 for PAHs below NR 720 standards. The intended use of the soil is for an engineered barrier at the Milwaukee Solvay site. Attachment A contains an acceptance letter from We Energies (WE), a responsible party for the Milwaukee Solvay site where WE recognizes the limits on using the soil obtained from the subject property.

5) Results of leach test analysis were provided to the DNR. Explain why these samples were chosen for this analysis and what they indicate about the risk posed by the disposal of this soil on another property.

The soil samples were collected for leach testing because the analytical results yielded PAHs detections above the NR 720 RCL for non-industrial direct contact and/or for the groundwater pathway. The sample from B-14 was selected because of the proximity of the soil sample to the source area at the former fuel oil UST. The results of the leach testing revealed low-level detections of PAHs below the NR 140 PAL.

One soil sample was selected for leach testing because lead was detected in soil above the NR 720 RCL for non-industrial direct contact and could not be reasonably attributed to naturally-occurring levels. The results of leach testing for metals analysis revealed leachable lead that exceeds the NR 140 PAL.

Questions Regarding Waste Characterization

1) The interpretation of the extent of soil contamination exceeding standards, as depicted on Figure 4, does not appear to have considered samples collected from GP-6 through GP-10. A couple of these borings, GP-8 and GP-10, were advanced in dashed areas of the map and the samples collected from them had concentrations of PAH compounds above standards. Reinterpret the extent of contamination to consider these samples results or explain why these sample results were not used.

The boring locations B-1 through B-14 were surveyed shortly after installation. The location and depth of any sample can be uncovered to a high degree of accuracy, if necessary. The Geoprobe borings advanced in 2016 were not surveyed and the accuracy of the locations of these borings is less certain. In effect, there is a vastly greater level of confidence in the location of the 2017 borings in comparison with the 2016 boring.

Although the impacts are not field-discernable (no visual indication or odor), soil samples collected from GP-8 and GP-10 revealed exceedances of the NR 720 RCL for non-industrial direct contact and the groundwater pathway. As described above, grading had taken place to allow access to the perimeter of the parcel and it was unclear whether this soil had been disturbed. Due to the uncertainty where exceedances of an NR 720 RCL might be located, a significant area of the property (GP-7 through GP-10) was re-sampled to obtain a defensible characterization.

At GP-6, a shallow (2 to 4 feet below ground surface [bgs]) sample revealed exceedances of the NR 720 RCL for non-industrial direct contact and the groundwater pathway. Samples collected from B-14 located approximately 30 feet northwest of GP-6 yielded soil impacts exceeding the NR 720 RCL from 0 to 10 feet bgs. Since the interval from 4 to 14 feet bgs at GP-6 was not sampled and the soil impacts are not field-discernable, the lack of laboratory results does not indicate any clean interval above 14 feet bgs at GP-6.

2) *Soil samples collected from beneath the former fuel oil UST and from GP-2 indicate that soil contamination potentially extends below 10 feet within at least a portion of the southeast 'block' where B-14 is located. Reconsider sample data collected in this area and determine whether the additional material needs to be managed at R&R Excavating.*

KEY will be present during excavation activity to assist in segregating soil and to observe for the presence of potential new sources. The former UST area will be among the last areas to be excavated and soil samples will be collected from the perimeter of the excavation to document whether residual impacts remain at the

3) *The extent of soil with contamination that does not exceed a soil standard as depicted on Figure 4 appears to be relatively generous based on the expected source of the contamination. A conservative interpretation of the extent of soil contamination is recommended as material in the dashed areas of the map is proposed to be used as a direct contact barrier at a different property. It is unclear why the area between B-2 and B-3, the area south of B-7, or the area north of B-6 would be considered clean, especially based on the sample results collected from GP-10 and GP-8. Provide an explanation as to how this interpretation is valid considering the expected source of contamination is at least in part, attributed to a common contaminant found in shallow urban soils. You may consider requesting using the "Modified RCL spreadsheet (cumulative assessment of seven cPAHs)" found at <http://dnr.wi.gov/topic/brownfields/professionals.html> to assess direct contact risk posed by the contamination in some areas of the site to support the proposed reuse of the material as proposed.*

As described above, more recently-obtained, surveyed data points were given decision-making precedence over soil samples collected from non-surveyed direct push borings. Based on your observation at the area south of B-7, the soil sampling analytical results for HA-1 was considered and the figures presented in the CMMP have been revised and are attached.

Attachment A contains the Modified RCL Spreadsheets for the soil sample intervals that yielded soil impacts above the NR 720 RCL for non-industrial direct contact or the NR 720 RCL for the groundwater pathway. A summary of the spreadsheets is provided below:

Boring Location	Depth Interval (feet)	Cumulative cPAH Cancer Risk	Individual Exceedances	Cumulative Hazard Index	Cumulative Cancer Risk
B-3	0-2.5	1.6E-05	0	0.0744	1.6E-05
	2.5-5	1.5E-05	0	0.0712	1.5E-05
B-4	0-2.5	4.2E-06	0	0.0191	4.2E-06
	2.5-5	6.5E-06	0	0.0293	6.5E-06
B-5	0-2.5	2.1E-06	0	0.0089	2.1E-06
	2.5-5	4.6E-06	0	0.021	4.6E-06
B-8	0-2.5	1.6E-06	0	0.0071	1.6E-06
	2.5-5	3.6E-05	0	0.1614	3.6E-05
B-9	0-2.5	5.0E-06	0	0.0224	5.0E-06
	2.5-5	1.3E-05	0	0.3288	1.3E-05
	5-7.5	6.8E-06	0	0.0311	6.8E-06
B-10	0-2.5	1.3E-06	0	0.006	1.3E-06
	2.5-5	2.6E-06	0	0.0118	2.6E-06
B-14	0-2.5	7.3E-06	0	0.033	7.3E-06
	2.5-5	1.4E-06	0	0.0065	1.4E-06
	5-7.5	4.8E-06	0	0.0264	4.9E-06
	7.5-10	2.2E-06	0	0.0106	2.2E-06

The Following Documentation is Required

All documentation listed in Wis. Admin. Code § NR 718.12(2) must be provided with an exemption request. The following documentation must still be submitted to complete the request.

1) A proposed schedule for managing the contaminated material as proposed in the "Contaminated Materials Management Plan" (Wis. Admin. Code § NR 718.12(2)(b)5).

Currently, the schedule is to begin moving soil to the approved destination facilities within 72 hours of receiving approval of the CMMP. Pending favorable weather, the soil transportation will be completed within 30 calendar days.

2) *Contact and locational information for the facility that will be accepting contaminated soil (Wis. Admin. Code § 718.12(2)(c)2 & 3). It is recommended that you complete Section 2, parts F and G, of the "Recommended Format for Exemption Request Wis. Admin. Code § NR 718.12 or § NR 718.15" (DNR Publication RR-072) to ensure that all needed information is included.*

Section 2, parts F and G for the Milwaukee Solvay site and the R&R Excavation Facility are provided below. Soil that is characterized to contain PAHs below the NR 720 RCL for non-industrial direct contact and below the NR 720 RCL for the groundwater pathway is proposed to be transported to the Milwaukee Solvay site for use as an engineered barrier. The soil that is characterized to exceed either the NR 720 RCL for non-industrial direct contact or the NR 720 RCL for the groundwater pathway is proposed to be transported to the R&R Excavation Facility for reclaiming a former quarry.

Milwaukee Solvay

F. Information About the Site or Facility Where Contaminated Soil Will Be Disposed, if at a Different Location Than The Site or Facility From Which it Was Generated

Select if Same as Generating Property (and skip remainder of section)

BRRTS No. 02-41-466662	BRRTS Activity (Site) Name Milwaukee Solvay Coke & Gas - MGP
Receiving Site or Facility Address 311 East Greenfield Avenue	VPLE No.
City Milwaukee	Parcel ID No. 4639995200
State Wisconsin	FID No. 241219880
County Milwaukee	Zip Code 53204
WTM Coordinates	
X: 690471 Y: 284814	WTM Coordinates Represent Source Area <input type="checkbox"/> Parcel Center XX
NW ¼ NW ¼ Section 04	T: 06 R: 22 E/W: E
Latitude: 43.0168861	Longitude: -87.9080059
Current Zoning: Industrial	Current Land Use: Vacant

G. Receiving Site or Facility (Source Property or Off-Site Property) Owner Information

Provide the following information for the owner of the receiving site or facility. If there is more than one property owner include the information requested below for each as a separate document and attach to this form.

Property Owner Name(s) Robert Paulson	Company Name We Energies
Mailing Address 333 West Everett Street	City State Zip Code Milwaukee WI 53203
Phone No. (include area code) (414) 221-3948	Email robert.paulson@we-energies.com

R&R Excavating Facility

F. Information About the Site or Facility Where Contaminated Soil Will Be Disposed, if at a Different Location Than The Site or Facility From Which it Was Generated

Select if Same as Generating Property (and skip remainder of section)

BRRTS No. not applicable	BRRTS Activity (Site) Name R&R Excavating Facility
Receiving Site or Facility Address County Highway I at STH 60	VPLE No. not applicable
City Town of Cedarburg	Parcel ID No.
State Wisconsin	FID No.
County Ozaukee	Zip Code 53012
WTM Coordinates X: 683133 Y: 318082 SE ¼ NE ¼ Section 22	WTM Coordinates Represent Source Area <input type="checkbox"/> Parcel Center XX T: 10 R: 21 E/W: E
Latitude: 43.317884	Longitude: -87.988200
Current Zoning:	Current Land Use:

G. Receiving Site or Facility (Source Property or Off-Site Property) Owner Information

Provide the following information for the owner of the receiving site or facility. If there is more than one property owner include the information requested below for each as a separate document and attach to this form.

Property Owner Name(s) Dick and Maxine Charmoli	Company Name Charmoli Holdings, LLC
Mailing Address 320 Douglas Lane	City State Zip Code Cedarburg WI 53012
Phone No. (include area code) (262) 377-5736	Email

3) *A copy of the written notification sent to owners of R&R Excavating notifying them of continuing obligations that will be imposed on their property as a result of their acceptance of the contaminated soil (718.12(2)(d)). It is recommended that, at a minimum, you complete Sections 8 and 11 of the "Recommended Format for Exemption Request Wis. Admin. Code § NR 718.12 or § NR 718.15" and provide this documentation to the owners of R&R Excavating to review and to complete Section 12. The document can then be submitted to the DNR to demonstrate that these requirements were met.*

KEY will prepare a letter notifying the owner of the R&R Excavation Facility of continuing obligations associated with accepting soil from the subject property that contains PAHs exceeding the NR 720 RCL for non-industrial direct contact and the NR 720 RCL for the groundwater pathway. Sections 8, 11, and 12 will be included in the letter. A copy of the letter and the certified mail receipt will be provided to the WDNR.

4) *All documentation required by NR 718.12(2)(e) for the sites or facilities where continuing obligations will be imposed as a result of the management of this contaminated material. This would include the following items:*

- a. Site location map outlining the receiving property on a USGS topographical map or topo map.*
- b. Detailed site map of the receiving property indicating the general area where material will be disposed of.*
- c. Deed for the receiving property.*
- d. Survey map for the receiving property (if referenced in the deed).*
- e. Statement signed by the property owner of the receiving property indicating that the legal description provided on the deed is correct.*

Attachment B contains the following documentation for the Milwaukee Solvay site:

- Acceptance letter dated November 29, 2017 acknowledging restrictions and obligations,
- Site Location Map on a USGS topo map,
- An aerial photo illustrating the destination property boundaries, and
- The deed for the receiving property.

Attachment C contains an aerial photo for the R&R Excavating site that illustrates the area where the impacted soil will be transported.

If you have any questions, please call Kurt McClung at 414 225-0592, or D'Arcy Gravelle at 414 978-4842.

Sincerely,

KEY ENGINEERING GROUP, LTD.



Kurt McClung, PG, PE
Senior Engineer



D'Arcy Gravelle, PG, CPG
Principal

cc: Michael Klein- Klein Development
Brendan Sigler- C&D Smith

Attachments: Figure 1 Site Location
Figure 2 Site Layout Map
Figure 3 Post Grading Soil Sample Location Map
Figure 4 Location of Soil RCL Exceedances
Figure 5 Cut and Fill Plan

Attachment A Soil RCL Tables
Attachment B Documentation for Milwaukee Solvay Site
Attachment C Documentation for R&R Excavating Facility

H:\PROJECTS\2017\1711-0018-0001\1711-0018-0001 Boys & Girls.docx

Tables

PARAMETERS	Non-Industrial Direct Contact RCL	Protection of Groundwater RCL	Sample Identification													
			GP-6			GP-7		GP-8			GP-9			GP-10		
			12/9/2016			12/9/2016		12/9/2016			12/9/2016			12/9/2016		
Date Collected			2-4	14-15	34-36	2-4	6-8	0-2	2-4	6-8	0-2	2-4	6-8	0-2	2-4	6-8
Depth (feet bgs)			u	u	u	u	u	u	u	u	u	u	u	u	u	u
Saturated(s)/Unsaturated(u)																
Detected VOCs (mg/kg)																
Benzene	1.6	0.0051														
n-Butylbenzene	108															
sec-Butylbenzene	145															
Naphthalene	5.52	0.6582														
n-Propylbenzene	---	---														
Toluene	818	1.1072														
1,2,4-Trimethylbenzene	219	---	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
1,3,5-Trimethylbenzene	182	---														
Trimethylbenzenes	---	1.3821														
m&p-Xylene	---	---														
o-Xylene	---	---														
Xylenes	260	3.96														
Detected PAHs (mg/kg)																
Acenaphthene	3,590	---	<0.019	<0.0046	<0.0045	<0.0050	<0.0047	0.018	<0.0049	<0.0045	<0.0046	<0.0041	<0.0047	0.093	<0.0043	<0.0054
Acenaphthylene	---	---	<0.016	<0.0039	<0.0039	<0.0042	<0.0040	<0.0040	<0.0042	<0.0038	<0.0039	<0.0035	<0.0040	0.010J	<0.0036	<0.0046
Anthracene	17,900	196.9492	0.094	<0.0068	<0.0067	<0.0073	<0.0069	0.044	<0.0073	<0.0066	<0.0067	<0.0060	<0.0069	0.20	<0.0063	<0.0080
Benzo(a)anthracene	1.14	---	0.51	<0.0038	<0.0037	0.039	<0.0038	0.21	0.0062J	<0.0037	0.035	<0.0033	<0.0038	0.37	0.012	<0.0044
Benzo(a)pyrene	0.115	0.47	0.55	<0.0030	<0.0029	0.021	<0.0030	0.22	<0.0032	<0.0029	0.036	<0.0026	<0.0030	0.29	0.0096	<0.0035
Benzo(b)fluoranthene	1.15	0.4793	1.1	<0.0033	<0.0033	0.052	<0.0034	0.29	0.0038J	<0.0033	0.051	<0.0030	<0.0034	0.37	0.011	<0.0039
Benzo(g,h,i)perylene	---	---	0.54	<0.0024	<0.0024	0.023	<0.0025	0.13	<0.0026	<0.0024	0.020	<0.0021	<0.0024	0.16	0.0063J	<0.0028
Benzo(k)fluoranthene	11.5	---	0.42	<0.0030	<0.0029	0.026	<0.0030	0.10	<0.0032	<0.0029	0.019	<0.0026	<0.0030	0.16	0.0051J	<0.0035
Chrysene	115	0.1446	0.86	<0.0040	<0.0039	0.049	<0.0041	0.24	<0.0043	<0.0039	0.045	<0.0035	<0.0041	0.36	0.011J	<0.0047
Dibenzo(a,h)anthracene	0.115	---	0.15	<0.0026	<0.0026	0.0078J	<0.0027	0.029	<0.0028	<0.0026	0.0049J	<0.0023	<0.0027	0.045	<0.0025	<0.0031
Fluoranthene	2,390	88.8778	1.0	<0.0062	<0.0061	0.088	<0.0063	0.38	0.0072J	<0.0061	0.067	<0.0055	<0.0063	0.81	0.019J	<0.0073
Fluorene	2,390	14.8299	<0.020	<0.0049	<0.0048	<0.0053	<0.0050	0.013J	<0.0053	<0.0048	<0.0049	<0.0043	<0.0050	0.089	<0.0045	<0.0058
Indeno(1,2,3-cd)pyrene	1.15	---	0.49	<0.0026	<0.0026	0.020	<0.0027	0.11	<0.0028	<0.0026	0.017	<0.0023	<0.0026	0.14	0.0052J	<0.0031
1-methyl naphthalene	17.6	---	<0.019	<0.0048	<0.0047	<0.0051	<0.0049	<0.0049	<0.0051	<0.0047	<0.0048	<0.0042	<0.0048	0.035	<0.0044	<0.0056
2-methyl naphthalene	239	---	<0.024	<0.0059	<0.0059	<0.0064	<0.0060	<0.0060	<0.0064	<0.0058	<0.0059	<0.0053	<0.0060	0.043	<0.0055	<0.0070
Naphthalene	5.52	0.6582	<0.040	<0.010	<0.0099	<0.011	<0.010	<0.010	<0.011	<0.0098	<0.0099	<0.0088	<0.010	0.080	<0.0092	<0.012
Phenanthrene	---	---	0.26	<0.014	<0.014	0.029J	<0.014	0.19	<0.015	<0.014	0.025J	<0.012	<0.014	0.84	<0.013	<0.016
Pyrene	1,790	54.5455	0.81	<0.0053	<0.0053	0.067	<0.0055	0.40	0.0071J	<0.0052	0.067	<0.0047	<0.0054	0.70	0.019	<0.0063

Notes:
Bold values exceed the NR 720 RCL for protection of groundwater
Boxed values exceed the NR 720 RCL for non-industrial direct contact (applicable 0 to 4 feet bgs)
--- - no standard established
--- - no standard established
quantitation
bgs - below ground surface
mg/kg - milligrams per kilogram
PAHs - polynuclear aromatic hydrocarbons
VOCs - volatile organic compounds

PARAMETERS	Non-Industrial Direct Contact RCL	Protection of Groundwater RCL	Background Threshold Value	Sample Identification																			
				B-10						B-11						B-12							
				10/31/2017						10/31/2017						10/31/2017							
Date Collected	Depth (feet bgs)	0-2.5	2.5-5	5-7.5	7.5-10	10-12.5	12.5-15	0-2.5	2.5-5	5-7.5	7.5-10	10-12.5	12.5-15	15-17.5	17.5-20	0-2.5	2.5-5	5-7.5	7.5-10	10-12.5			
Detected PAHs (mg/kg)																							
Acenaphthene	3,590	---	---	0.0229	0.0291	<0.0019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	
Acenaphthylene	---	---	---	0.00094J	<0.0018	<0.0018	<0.00018	<0.00018	<0.00017	<0.00018	<0.00018	<0.00019	<0.00035	<0.00020	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00017	<0.00019	<0.00018	
Anthracene	17,900	196.9492	---	0.0745	0.106	0.00046J	0.00052J	<0.00026	<0.00026	<0.00026	0.00029J	<0.00027	0.0018J	<0.00029	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00027	<0.00026
Benzo(a)anthracene	1.14	---	---	0.138	0.242	0.0019J	0.0037	0.00060J	0.00079J	0.00083J	0.0014J	0.0011J	0.0067	0.00077J	0.0012J	0.0010J	0.00077J	0.00043J	0.00085J	0.00041J	0.00068J	0.00057J	
Benzo(a)pyrene	0.115	0.47	---	0.0971	0.199	0.0016J	0.0030	0.00057J	0.00074J	0.00059J	0.0012J	0.00076J	0.0061	0.00065J	0.0012J	0.0010J	<0.00058	<0.00056	0.00067J	<0.00056	0.0019J	<0.00057	
Benzo(b)fluoranthene	1.15	0.4793	---	0.101	0.193	0.0017J	0.0034	0.00076J	0.00081J	0.00066J	0.0013J	0.00092J	0.0073	0.00068J	0.0013J	0.0011J	0.00071J	0.00046J	0.0010J	0.00049J	0.00091J	0.00061J	
Benzo(g,h,i)perylene	---	---	---	0.0651	0.131	0.0020J	0.0032	0.0010J	0.0011J	<0.00077	0.0012J	0.00084J	0.0060	0.0016J	0.0015J	0.0013J	<0.00078	0.00084J	0.00096J	<0.00076	0.0017J	<0.00077	
Benzo(k)fluoranthene	11.5	---	---	0.107	0.185	0.0016J	0.0028J	0.00055J	0.00079J	0.00070J	0.0011J	0.00088J	0.0069	0.00049J	0.0010J	0.00091J	0.00069J	0.00042J	0.00078J	0.00042J	0.00057J	0.00053J	
Chrysene	115	0.1446	---	0.135	0.229	0.0028J	0.0049	0.0014J	0.0015J	0.00087J	0.0015J	0.0017J	0.0098	0.0022J	0.0022J	0.0019J	0.0015J	0.0012J	0.0017J	0.0011J	0.0021J	0.00090J	
Dibenzo(a,h)anthracene	0.115	---	---	0.0211	0.0451	<0.00089	0.00092J	<0.00090	<0.00087	<0.00088	<0.00090	<0.00093	0.0024J	<0.00098	<0.00089	<0.00090	<0.00090	<0.00088	<0.00090	<0.00087	<0.00093	<0.00089	
Fluoranthene	2,390	88.8778	---	0.328	0.602	0.0032	0.0061	0.00088J	0.0013J	0.00078J	0.0021J	0.0020J	0.0083	0.00085J	0.0018J	0.0018J	0.00082J	0.00069J	0.0017J	0.00059J	0.0010J	0.00096J	
Fluorene	2,390	14.8299	---	0.0265	0.0401	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00021	0.0014J	<0.00022	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00021	<0.00020	
Indeno(1,2,3-cd)pyrene	1.15	---	---	0.0608	0.120	0.0013J	0.0023J	<0.00075	<0.00073	<0.00074	0.00095J	<0.00078	0.0050	<0.00082	<0.00075	<0.00075	<0.00076	<0.00074	<0.00076	<0.00073	<0.00078	<0.00075	
1-methyl naphthalene	17.6	---	---	0.0093	0.0084J	<0.00023	<0.00023	<0.00023	<0.00022	<0.00023	<0.00023	<0.00024	0.0094	0.00078J	0.00036J	0.00063J	0.00035J	<0.00023	0.00054J	0.00072J	<0.00024	0.0014J	
2-methyl naphthalene	239	---	---	0.0117	0.0057J	<0.00025	<0.00025	<0.00025	<0.00024	<0.00025	<0.00025	<0.00026	0.0116	0.00072J	0.00044J	0.0011J	0.00066J	<0.00025	0.00042J	0.0012J	<0.00026	0.0020J	
Naphthalene	5.52	0.6582	---	0.0223	0.0160J	0.00031J	0.00032J	<0.00030	<0.00029	<0.00029	<0.00030	0.00039J	0.0049	0.00034J	0.0010J	<0.00030	0.00082J	<0.00029	0.00041J	0.00036J	<0.00031	0.00087J	
Phenanthrene	---	---	---	0.295	0.411	0.0025	0.0030	0.00092J	0.0013J	0.00067J	0.0015J	0.0017J	0.0088	0.0018J	0.0016J	0.0025	0.0012J	0.00090J	0.0020J	0.00073J	0.0011J	0.0017J	
Pyrene	1,790	54.5455	---	0.297	0.479	0.0042	0.0069	0.0013J	0.0016J	0.00088J	0.0019J	0.0018J	0.0144	0.0015J	0.0022J	0.0021J	0.00070J	0.00097J	0.0019J	0.00061J	0.0016J	0.0011J	
RCRA Metals (mg/kg)																							
Arsenic	0.677	0.584	8	NS	NS	NS	NS	NS	NS	NS	NS	4.4J	NS	NS	NS	NS	NS	NS	5.2J	NS	NS	NS	
Barium	15,300	164.8	364	NS	NS	NS	NS	NS	NS	NS	NS	96.3	NS	NS	NS	NS	NS	NS	86.4	NS	NS	NS	
Cadmium	71.1	0.752	1	NS	NS	NS	NS	NS	NS	NS	NS	0.18J	NS	NS	NS	NS	NS	NS	<0.15	NS	NS	NS	
Total Chromium	---	360,000	44	NS	NS	NS	NS	NS	NS	NS	NS	30.4	NS	NS	NS	NS	NS	NS	28.7	NS	NS	NS	
Lead	400	27	52	NS	NS	NS	NS	NS	NS	NS	NS	8.0	NS	NS	NS	NS	NS	NS	8.2	NS	NS	NS	
Mercury	3.13	0.208	---	NS	NS	NS	NS	NS	NS	NS	NS	<0.013	NS	NS	NS	NS	NS	NS	<0.013	NS	NS	NS	
Selenium	391	0.52	---	NS	NS	NS	NS	NS	NS	NS	NS	<1.2	NS	NS	NS	NS	NS	NS	<1.2	NS	NS	NS	
Silver	391	0.8491	---	NS	NS	NS	NS	NS	NS	NS	NS	<0.38	NS	NS	NS	NS	NS	NS	<0.38	NS	NS	NS	

Notes:
Bold values exceed the NR 720 RCL for protection of groundwater
Boxed values exceed the NR 720 RCL for non-industrial direct contact (applicable 0 to 4 feet bgs)
--- - no standard established
J - Results between laboratory limit of detection and limit of quantitation
bgs - below ground surface
mg/kg - milligrams per kilogram
NS - no sample collected
PAHs - polynuclear aromatic hydrocarbons
VOCs - volatile organic compounds
RCL Values were obtained from the WDNR RCL Table dated March 2017

PARAMETERS	Non-Industrial Direct Contact RCL	Protection of Groundwater RCL	Background Threshold Value	Sample Identification												
				B-13								B-14				
				10/31/2017								10/30/2017				
				0-2.5	2.5-5	5-7.5	7.5-10	10-12.5	12.5-15	15-17.5	17.5-20	0-2.5	2.5-5	5-7.5	7.5-10	10-12.5
Detected PAHs (mg/kg)																
Acenaphthene	3,590	---	---	<0.00022	<0.00021	<0.00022	<0.00020	0.0015J	<0.00021	0.0012J	<0.00018	0.021J	<0.0049	0.12	0.017	<0.0046
Acenaphthylene	---	---	---	<0.00020	<0.00020	<0.00020	<0.00018	0.00030J	<0.00019	<0.00019	<0.00016	<0.016	<0.0042	0.11	0.0046J	<0.0039
Anthracene	17,900	196.9492	---	<0.00030	<0.00029	0.0011J	<0.00027	0.0061	<0.00028	0.0044	<0.00024	0.12	0.021J	0.14	0.031	<0.0068
Benzo(a)anthracene	1.14	---	---	0.00072J	0.00053J	0.0055	0.0011J	0.0216	0.00074J	0.0105	0.0013J	0.58	0.10	0.19	0.17	0.0074J
Benzo(a)pyrene	0.115	0.47	---	<0.00065	<0.00064	0.0048	0.00078J	0.0201	<0.00062	0.0081	0.00098J	0.56	0.11	0.37	0.18	0.0073J
Benzo(b)fluoranthene	1.15	0.4793	---	0.00067J	0.00063J	0.0041	0.00094J	0.0197	0.00055J	0.0089	0.0012J	0.54	0.11	0.27	0.15	0.0062J
Benzo(g,h,i)perylene	---	---	---	<0.00089	<0.00086	0.0029J	<0.00079	0.0121	<0.00084	0.0057	0.0017J	0.35	0.045	0.39	0.067	0.0025J
Benzo(k)fluoranthene	11.5	---	---	0.00067J	0.00041J	0.0040	0.00084J	0.0178	0.00052J	0.0069	0.00092J	0.50	0.11	0.29	0.20	0.0080J
Chrysene	115	0.1446	---	0.00074J	0.0016J	0.0056	0.0013J	0.0221	0.00099J	0.0103	0.0031	0.67	0.12	0.21	0.20	0.010J
Dibenzo(a,h)anthracene	0.115	---	---	<0.0010	<0.00099	0.0012J	<0.00091	0.0041	<0.00097	0.0018J	<0.00082	0.13	0.019	0.10	0.033	<0.0027
Fluoranthene	2,390	88.8778	---	0.0013J	0.00062J	0.0096	0.0017J	0.0412	0.0012J	0.0259	0.0017J	1.4	0.25	0.34	0.38	0.021
Fluorene	2,390	14.8299	---	<0.00023	<0.00023	<0.00023	<0.00021	0.0018J	<0.00022	0.0011J	<0.00019	0.025J	<0.0053	0.16	0.011J	<0.0049
Indeno(1,2,3-cd)pyrene	1.15	---	---	<0.00086	<0.00084	0.0025J	<0.00077	0.0115	<0.00081	0.0048	0.00069J	0.33	0.053	0.35	0.082	0.0029J
1-methyl naphthalene	17.6	---	---	<0.00026	0.00032J	<0.00026	<0.00023	0.00078J	<0.00025	0.00037J	0.0010J	<0.020	<0.0051	0.88	<0.0050	<0.0048
2-methyl naphthalene	239	---	---	<0.00029	0.00047J	<0.00028	<0.00026	0.00088J	<0.00027	0.00054J	0.0021J	<0.024	<0.0064	1.0	<0.0062	<0.0059
Naphthalene	5.52	0.6582	---	<0.00034	0.00068J	0.00041J	<0.00030	0.0016J	<0.00032	0.0011J	0.0012J	<0.041	<0.011	0.14	0.014J	0.15
Phenanthrene	---	---	---	0.0010J	0.00097J	0.0034	0.0012J	0.027	0.00062J	0.0183	0.0017J	0.45	0.078	0.79	0.14	0.015J
Pyrene	1,790	54.5455	---	0.0011J	0.00065J	0.0099	0.0017J	0.0371	0.0011J	0.0217	0.0018J	1.0	0.19	0.31	0.31	0.017J
RCRA Metals (mg/kg)																
Arsenic	0.677	0.584	8	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Barium	15,300	164.8	364	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cadmium	71.1	0.752	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Total Chromium	---	360,000	44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lead	400	27	52	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Mercury	3.13	0.208	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Selenium	391	0.52	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Silver	391	0.8491	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

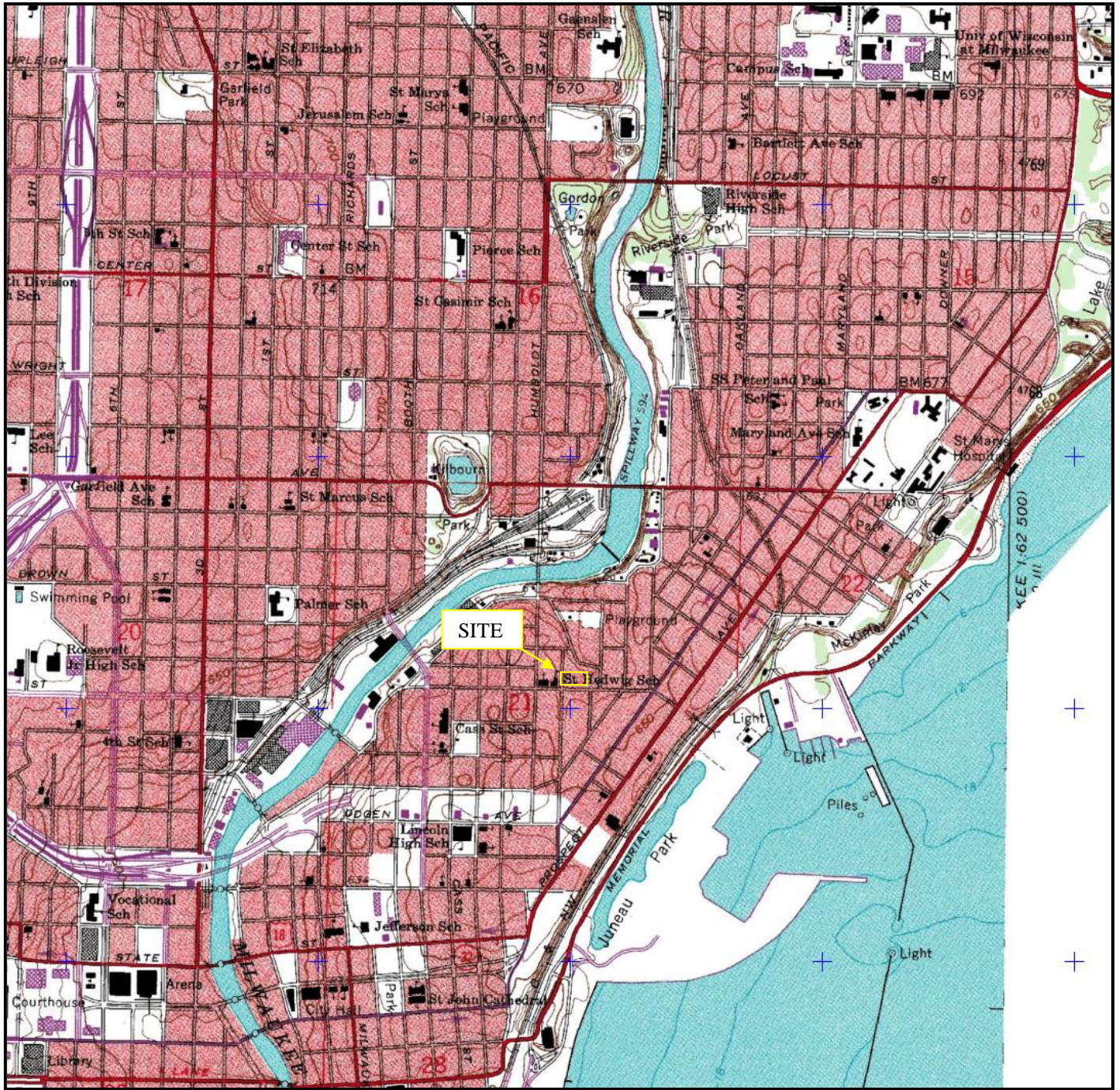
Notes:
Bold values exceed the NR 720 RCL for protection of groundwater
Boxed values exceed the NR 720 RCL for non-industrial direct contact (applicable 0 to 4 feet bgs)
--- - no standard established
J - Results between laboratory limit of detection and limit of quantitation
bgs - below ground surface
mg/kg - milligrams per kilogram
NS - no sample collected
PAHs - polynuclear aromatic hydrocarbons
VOCs - volatile organic compounds
RCL Values were obtained from the WDNR RCL Table dated March 2017

Table 3
Groundwater Sample Analytical Results
Former Boys and Girls Club 1632 Franklin Place Milwaukee, Wisconsin
BRRS No 03-41-578482

PARAMETERS	Preventive Action Limit	Enforcement Standard	SAMPLE IDENTIFICATION								
			MW-1			MW-2		MW-3		MW-4	
Date Collected	---	---	8/16/2016	9/26/2017	9/26/2017 D	8/16/2016	9/26/2017	8/16/2016	9/26/2017	8/16/2016	9/26/2017
Detected VOCs (ug/l)											
p-Isopropyltoluene	---	---	<0.50	NA	NA	10.2	NA	<0.50	NA	<0.50	NA
PAHs (ug/l)											
Acenaphthene	---	---	0.022J	<0.0057	0.011J	<0.0047	0.011J	<0.0047	<0.0057	<0.0051	0.0068J
Acenaphthylene	---	---	0.031J	<0.0047	<0.0046	<0.0047	0.032	<0.0047	<0.0047	<0.0051	<0.0046
Anthracene	600	3,000	0.15	0.010J	0.05	<0.0038	<0.0098	<0.0038	<0.0098	0.022J	<0.0097
Benzo(a)anthracene	---	---	0.29	0.029J	0.14	<0.0048	0.025J	<0.0049	<0.0071	<0.0053	<0.0070
Benzo(a)pyrene	0.02	0.2	0.37	<i>0.030J</i>	<i>0.17</i>	<0.0042	<i>0.036J</i>	<0.0042	<0.0098	0.0064J	<0.0098
Benzo(b)fluoranthene	0.02	0.2	0.49	<i>0.050</i>	0.24	<0.0050	<i>0.048</i>	<0.0051	<0.0054	0.016J	<0.0053
Benzo(g,h,i)perylene	---	---	0.26	0.030J	0.15	<0.0033	0.039	<0.0033	<0.0063	0.0081J	<0.0063
Benzo(k)fluoranthene	---	---	0.25	0.031J	0.14	<0.0053	0.028J	<0.0054	<0.0071	0.0091J	<0.0070
Chrysene	0.02	0.2	0.46	<i>0.062</i>	0.27	<0.0040	<i>0.036J</i>	<0.0040	<0.012	<i>0.030J</i>	<0.012
Dibenzo(a,h)anthracene	---	---	0.045J	<0.0094	0.023J	<0.0052	<0.0094	<0.0053	<0.0094	<0.0057	<0.0093
Fluoranthrene	80	400	0.92	0.11	0.59	<0.0089	0.056	<0.0090	<0.010	0.022J	0.011J
Fluorene	80	400	0.026J	<0.0074	0.010J	<0.0038	0.0093J	<0.0038	<0.0074	<0.0042	<0.0074
Indeno(1,2,3-cd)pyrene	---	---	0.22	0.024J	0.11	<0.0034	0.032J	<0.0034	<0.016	0.0044J	<0.016
1-Methyl Naphthalene	---	---	0.0054J	<0.0055	<0.0055	0.0098J	0.010J	<0.0029	0.010J	0.0037J	0.0081J
2-Methyl Naphthalene	---	---	0.0080J	<0.0046	<0.0045	0.012J	0.016J	<0.0026	0.012J	0.0064J	0.0066J
Naphthalene	10	100	0.0093J	<0.017	<0.017	0.0095J	0.040J	<0.0043	<0.017	0.0078J	<0.017
Phenanthrene	---	---	0.36	0.042J	0.20	0.018J	0.043J	<0.0073	0.013J	0.014J	0.015J
Pyrene	50	250	0.77	0.087	0.41	<0.0073	0.044	<0.0073	0.0083J	0.021J	0.011J

Notes:
Bold concentrations exceed NR 140 enforcement standards
Italicized concentrations exceed NR 140 preventive action limits
--- - no standard established
D- Duplicate
J - Results between the limit of detection and limit of quantitation
NA - Not Analyzed
PAHs - polynuclear aromatic hydrocarbons
ug/l - micrograms per liter
VOCs - volatile organic compounds

Figures



SOURCE: United States Geological Survey, Milwaukee Wisconsin Quadrangle. 7.5 Minutes Series. 1971

USGS Location: Milwaukee	Map Year: 1971
Project: 1606-0975-0001	Date: 9/21/2016
	Scale: 1:24000
	Series: 7.5 Minute

FIGURE 1
 SITE LOCATION MAP
 FORMER BOYS & GIRLS CLUB
 1632 NORTH FRANKLIN STREET
 MILWAUKEE, WISCONSIN



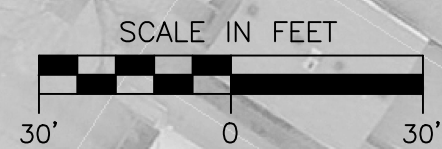
LEGEND

- ⊕ Monitoring Well Locations
- ✕ Soil Sample Locations
- ⊙ Direct Push Soil Probe Locations



FIGURE 2
 SITE LAYOUT MAP
 BOYS & GIRLS CLUB
 1632 N FRANKLIN PLACE
 MILWAUKEE, WISCONSIN

DESIGNED BY TLS	DATE 9/27/16
DRAWN BY R/JN	PROJECT 1606-0975
APPROVED BY TLS	SHEET NO.
CADFILE G:\Projects\1606-0975 Boys and Girls Club\Base.dwg	
XREF LMAN	



© 2016 Key Engineering Group Ltd.



Oct 13, 2016 - 8:29am G:\Projects\1606-0975 Boys and Girls Club\Base.dwg

LEGEND

● Sample Location

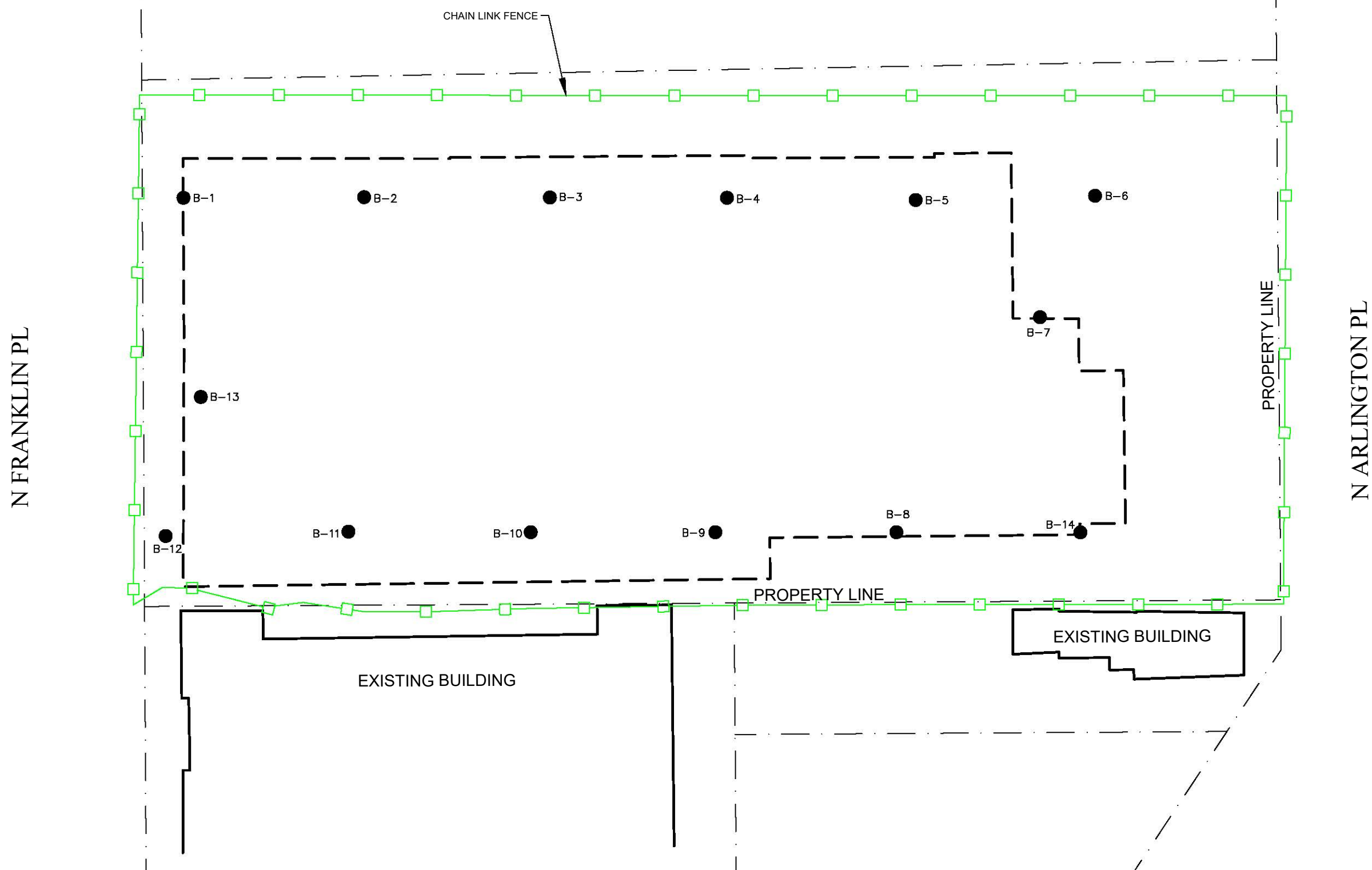
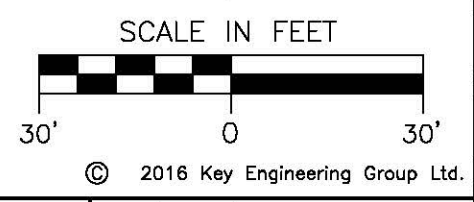


FIGURE 3
 POST-GRADING SOIL SAMPLE LOCATION MAP
 BOYS & GIRLS CLUB
 1632 N FRANKLIN PLACE
 MILWAUKEE, WISCONSIN

DESIGNED BY TLS	DATE 11/15/2017
DRAWN BY RJN	PROJECT 1606-0975
APPROVED BY TLS	SHEET NO.
CADFILE G:\Projects\1606-0975 Boys and Girls Club\2017-11-15\Base.dwg	
XREF LMAN	



© 2016 Key Engineering Group Ltd.



Nov 15, 2017 - 10:12am G:\Projects\1606-0975 Boys and Girls Club\2017-11-15\Base.dwg

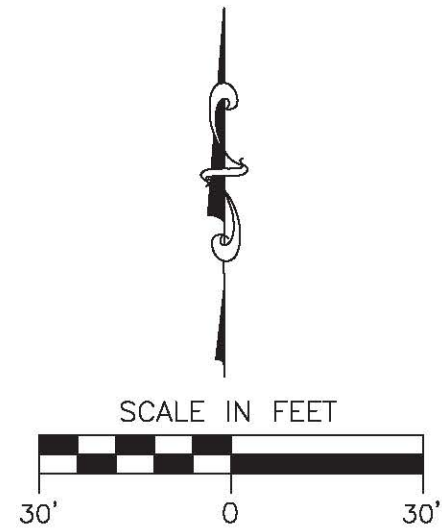
LEGEND

- Sample Location
- 0-5' Depth interval where soil sample residues exceed either the non-industrial direct contact RCL or groundwater pathway RCL
- ▨ No exceedance detected



N ARLINGTON PL

N FRANKLIN PL



© 2016 Key Engineering Group Ltd.

DESIGNED BY TLS	DATE 11/15/2017
DRAWN BY RJN	PROJECT 1606-0975
APPROVED BY TLS	SHEET NO.
CADFILE: \\Work In Progress\1606-0975 Boys & Girls Club\CAD\2017-11-15\Bose.dwg	
XREF LMAN	

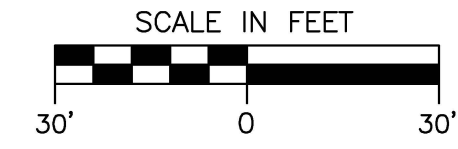
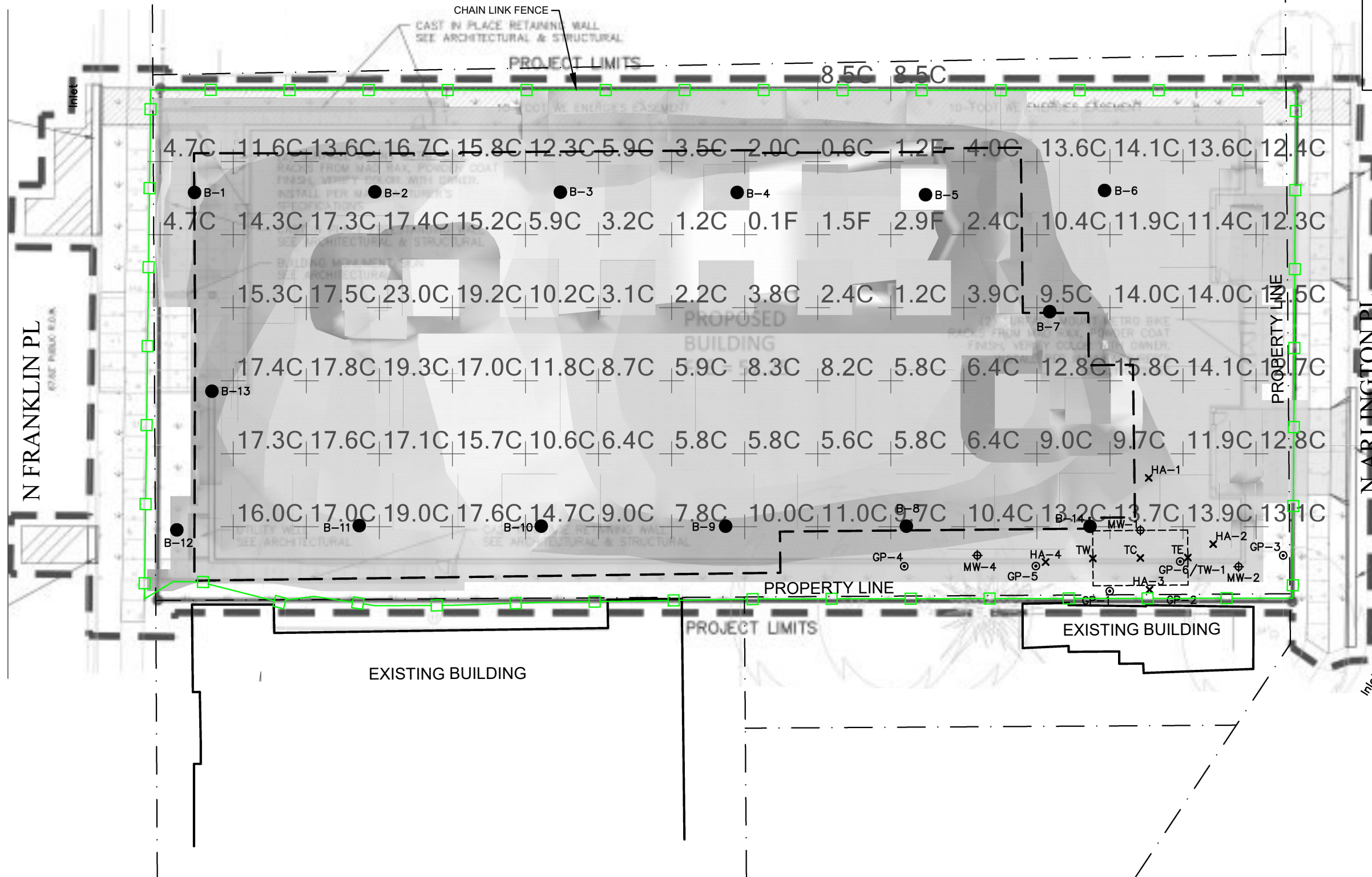
FIGURE 4
LOCATION OF SOIL RCL EXCEEDANCES
BOYS & GIRLS CLUB
1632 N FRANKLIN PLACE
MILWAUKEE, WISCONSIN

KEY ENGINEERING GROUP LTD.
735 NORTH WATER STREET, SUITE 510
MILWAUKEE, WI 53202
414.224.8300 (tel) - 414.224.8383 (fax)

Nov 30, 2017 - 2:19pm F:\Work In Progress\1606-0975 Boys & Girls Club\CAD\2017-11-15\Bose.dwg

LEGEND

- Sample Location
- ⊕ Monitoring Well Locations
- ✕ Soil Sample Locations
- ⊙ Direct Push Soil Probe Locations



© 2016 Key Engineering Group Ltd.

DESIGNED BY TLS	DATE 11/15/2017
DRAWN BY RJN	PROJECT 1606-0975
APPROVED BY TLS	SHEET NO.
CADFILE G:\Projects\1606-0975 Boys and Girls Club\2017-11-15\Base.dwg	
XREF LMAN	

FIGURE 5
CUT AND FILL PLAN
BOYS & GIRLS CLUB
1632 N FRANKLIN PLACE
MILWAUKEE, WISCONSIN



Nov 15, 2017 - 10:14am G:\Projects\1606-0975 Boys and Girls Club\2017-11-15\Base.dwg

Attachment A

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 1.6E-05	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0744	(Cumulative) Cancer Risk 1.6E-05
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.135			0.0008	2.4E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		1.24	1.08E-05	cPAH	0.0697	1.1E-05
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.089			0.	
Acenaphthylene	208-96-8	-	-	-			0.0867				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.36			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		1.27	1.11E-06	cPAH		1.1E-06
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		1.09	9.48E-07	cPAH		9.5E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.774				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		1.24	1.08E-07	cPAH		1.1E-07
Chrysene	218-01-9	-	115.	115.	ca		1.53	1.33E-08	cPAH		1.3E-08
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.24	2.09E-06	cPAH		2.1E-06
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		3.2			0.0013	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.196			0.0001	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.72	6.26E-07	cPAH		6.3E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.179			0.	1.0E-08
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.232			0.001	
Phenanthrene	85-01-8	-	-	-			1.56				
Pyrene	129-00-0	1,790.	-	1,790.	nc		2.6			0.0015	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 1.5E-05	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0712	(Cumulative) Cancer Risk 1.5E-05
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.105			0.0006	1.9E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		1.21	1.05E-05	cPAH	0.068	1.1E-05
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0484			0.	
Acenaphthylene	208-96-8	-	-	-			0.145				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.324			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		1.32	1.16E-06	cPAH		1.2E-06
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		1.52	1.32E-06	cPAH		1.3E-06
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.577				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.689	5.99E-08	cPAH		6.0E-08
Chrysene	218-01-9	-	115.	115.	ca		1.25	1.09E-08	cPAH		1.1E-08
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.177	1.54E-06	cPAH		1.5E-06
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		2.54			0.0011	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0516			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.586	5.10E-07	cPAH		5.1E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0502			0.	2.9E-09
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0624			0.0003	
Phenanthrene	85-01-8	-	-	-			0.759				
Pyrene	129-00-0	1,790.	-	1,790.	nc		2.3			0.0013	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 4.2E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0191	(Cumulative) Cancer Risk 4.2E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0189			0.0001	3.4E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.326	2.83E-06	cPAH	0.0183	2.8E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0101			0.	
Acenaphthylene	208-96-8	-	-	-			0.0091				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.0728			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.346	3.04E-07	cPAH		3.0E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.282	2.45E-07	cPAH		2.5E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.206				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.28	2.43E-08	cPAH		2.4E-08
Chrysene	218-01-9	-	115.	115.	ca		0.35	3.04E-09	cPAH		3.0E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.0664	5.77E-07	cPAH		5.8E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.669			0.0003	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0112			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.194	1.69E-07	cPAH		1.7E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0086			0.	4.9E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0085			0.	
Phenanthrene	85-01-8	-	-	-			0.281				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.619			0.0003	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 6.5E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0293	(Cumulative) Cancer Risk 6.5E-06
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0153			0.0001	2.8E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.497	4.32E-06	cPAH	0.0279	4.3E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0166			0.	
Acenaphthylene	208-96-8	-	-	-			0.0077				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.113			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.618	5.42E-07	cPAH		5.4E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.495	4.30E-07	cPAH		4.3E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.324				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.488	4.24E-08	cPAH		4.2E-08
Chrysene	218-01-9	-	115.	115.	ca		0.638	5.55E-09	cPAH		5.5E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.105	9.13E-07	cPAH		9.1E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		1.33			0.0006	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0202			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.302	2.63E-07	cPAH		2.6E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0133			0.	7.6E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0101			0.	
Phenanthrene	85-01-8	-	-	-			0.374				
Pyrene	129-00-0	1,790.	-	1,790.	nc		1.12			0.0006	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 2.1E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0089	(Cumulative) Cancer Risk 2.1E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0097			0.0001	1.8E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.152	1.32E-06	cPAH	0.0085	1.3E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0149			0.	
Acenaphthylene	208-96-8	-	-	-			0.0034				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.0625			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.172	1.51E-07	cPAH		1.5E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.156	1.36E-07	cPAH		1.4E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.117				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.143	1.24E-08	cPAH		1.2E-08
Chrysene	218-01-9	-	115.	115.	ca		0.172	1.50E-09	cPAH		1.5E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.0395	3.43E-07	cPAH		3.4E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.349			0.0001	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0142			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.106	9.22E-08	cPAH		9.2E-08
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0054			0.	3.1E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0041			0.	
Phenanthrene	85-01-8	-	-	-			0.168				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.317			0.0002	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 4.6E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.021	(Cumulative) Cancer Risk 4.6E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0149			0.0001	2.7E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.358	3.11E-06	cPAH	0.0201	3.1E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0129			0.	
Acenaphthylene	208-96-8	-	-	-			0.0065				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.069			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.356	3.12E-07	cPAH		3.1E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.314	2.73E-07	cPAH		2.7E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.258				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.315	2.74E-08	cPAH		2.7E-08
Chrysene	218-01-9	-	115.	115.	ca		0.395	3.43E-09	cPAH		3.4E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.0819	7.12E-07	cPAH		7.1E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.801			0.0003	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0139			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.232	2.02E-07	cPAH		2.0E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0099			0.	5.6E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0066			0.	
Phenanthrene	85-01-8	-	-	-			0.292				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.692			0.0004	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 1.6E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0071	(Cumulative) Cancer Risk 1.6E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.01			0.0001	1.8E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.12	1.04E-06	cPAH	0.0067	1.0E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0075			0.	
Acenaphthylene	208-96-8	-	-	-			0.004				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.031			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.11	9.65E-08	cPAH		9.6E-08
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.13	1.13E-07	cPAH		1.1E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.082				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.098	8.52E-09	cPAH		8.5E-09
Chrysene	218-01-9	-	115.	115.	ca		0.13	1.13E-09	cPAH		1.1E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.026	2.26E-07	cPAH		2.3E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.31			0.0001	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0084			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.075	6.52E-08	cPAH		6.5E-08
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0049			0.	2.8E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0061			0.	
Phenanthrene	85-01-8	-	-	-			0.15				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.24			0.0001	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 3.6E-05	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.1614	(Cumulative) Cancer Risk 3.6E-05
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.21			0.0012	3.8E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		2.7	2.35E-05	cPAH	0.1517	2.3E-05
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.31			0.0001	
Acenaphthylene	208-96-8	-	-	-			0.082				
Anthracene	120-12-7	17,900.	-	17,900.	nc		1.1			0.0001	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		3.	2.63E-06	cPAH		2.6E-06
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		2.9	2.52E-06	cPAH		2.5E-06
Benzo[g,h,i]perylene	191-24-2	-	-	-			1.9				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		2.5	2.17E-07	cPAH		2.2E-07
Chrysene	218-01-9	-	115.	115.	ca		3.6	3.13E-08	cPAH		3.1E-08
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.64	5.57E-06	cPAH		5.6E-06
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		9.3			0.0039	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.3			0.0001	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		1.7	1.48E-06	cPAH		1.5E-06
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.1			0.	5.7E-09
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.12			0.0005	
Phenanthrene	85-01-8	-	-	-			5.2				
Pyrene	129-00-0	1,790.	-	1,790.	nc		6.9			0.0039	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 5.0E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0224	(Cumulative) Cancer Risk 5.0E-06
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.019			0.0001	3.4E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.38	3.30E-06	cPAH	0.0213	3.3E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.016			0.	
Acenaphthylene	208-96-8	-	-	-			0.02				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.083			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.35	3.07E-07	cPAH		3.1E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.36	3.13E-07	cPAH		3.1E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.29				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.34	2.96E-08	cPAH		3.0E-08
Chrysene	218-01-9	-	115.	115.	ca		0.46	4.00E-09	cPAH		4.0E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.098	8.52E-07	cPAH		8.5E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.93			0.0004	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.019			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.25	2.17E-07	cPAH		2.2E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0092			0.	5.2E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.011			0.	
Phenanthrene	85-01-8	-	-	-			0.47				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.88			0.0005	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 19	(Cumulative) cPAH Cancer Risk 1.3E-05	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.3288	(Cumulative) Cancer Risk 1.3E-05
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.079			0.0004	1.4E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.99	8.61E-06	cPAH	0.0556	8.6E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.092			0.	
Acenaphthylene	208-96-8	-	-	-			0.031				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.34			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		1.	8.77E-07	cPAH		8.8E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		1.	8.70E-07	cPAH		8.7E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.7				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.84	7.30E-08	cPAH		7.3E-08
Chrysene	218-01-9	-	115.	115.	ca		1.2	1.04E-08	cPAH		1.0E-08
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.23	2.00E-06	cPAH		2.0E-06
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		2.9			0.0012	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.096			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.62	5.39E-07	cPAH		5.4E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.038			0.	2.2E-09
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.047			0.0002	
Phenanthrene	85-01-8	-	-	-			1.5				
Pyrene	129-00-0	1,790.	-	1,790.	nc		2.2			0.0012	
Lead and Compounds	7439-92-1	400.	-	400.		52.	108.			0.27	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 6.8E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0311	(Cumulative) Cancer Risk 6.8E-06
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.05			0.0003	9.1E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.52	4.52E-06	cPAH	0.0292	4.5E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.099			0.	
Acenaphthylene	208-96-8	-	-	-			0.019				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.3			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.54	4.74E-07	cPAH		4.7E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.47	4.09E-07	cPAH		4.1E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.36				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.54	4.70E-08	cPAH		4.7E-08
Chrysene	218-01-9	-	115.	115.	ca		0.62	5.39E-09	cPAH		5.4E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.12	1.04E-06	cPAH		1.0E-06
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		1.8			0.0008	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.11			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.33	2.87E-07	cPAH		2.9E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.024			0.	1.4E-09
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.029			0.0001	
Phenanthrene	85-01-8	-	-	-			1.3				
Pyrene	129-00-0	1,790.	-	1,790.	nc		1.2			0.0007	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 1.3E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.006	(Cumulative) Cancer Risk 1.3E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.0223			0.0001	4.0E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.0971	8.44E-07	cPAH	0.0055	8.4E-07
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0229			0.	
Acenaphthylene	208-96-8	-	-	-			9.40E-04				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.0745			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.138	1.21E-07	cPAH		1.2E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.101	8.78E-08	cPAH		8.8E-08
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.0651				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.107	9.30E-09	cPAH		9.3E-09
Chrysene	218-01-9	-	115.	115.	ca		0.135	1.17E-09	cPAH		1.2E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.0211	1.83E-07	cPAH		1.8E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.328			0.0001	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0265			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.0608	5.29E-08	cPAH		5.3E-08
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0093			0.	5.3E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0117			0.	
Phenanthrene	85-01-8	-	-	-			0.295				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.297			0.0002	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 2.6E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0118	(Cumulative) Cancer Risk 2.6E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.016			0.0001	2.9E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.199	1.73E-06	cPAH	0.0112	1.7E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0291			0.	
Acenaphthylene	208-96-8	-	-	-			0.0018				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.106			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.242	2.12E-07	cPAH		2.1E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.193	1.68E-07	cPAH		1.7E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.131				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.185	1.61E-08	cPAH		1.6E-08
Chrysene	218-01-9	-	115.	115.	ca		0.229	1.99E-09	cPAH		2.0E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.0451	3.92E-07	cPAH		3.9E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.602			0.0003	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0401			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.12	1.04E-07	cPAH		1.0E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0084			0.	4.8E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0057			0.	
Phenanthrene	85-01-8	-	-	-			0.411				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.479			0.0003	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 7.3E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.033	(Cumulative) Cancer Risk 7.3E-06
	Bottom-Line:	NO! This NON-INDUSTRIAL site sampling location will need either further cleanup to lower contaminant levels or the construction of a cap/cover to address the direct-contact pathway.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.041			0.0002	7.4E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.56	4.87E-06	cPAH	0.0315	4.9E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.021			0.	
Acenaphthylene	208-96-8	-	-	-			0.016				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.12			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.58	5.09E-07	cPAH		5.1E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.54	4.70E-07	cPAH		4.7E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.35				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.5	4.35E-08	cPAH		4.3E-08
Chrysene	218-01-9	-	115.	115.	ca		0.67	5.83E-09	cPAH		5.8E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.13	1.13E-06	cPAH		1.1E-06
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		1.4			0.0006	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.025			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.33	2.87E-07	cPAH		2.9E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.02			0.	1.1E-09
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.024			0.0001	
Phenanthrene	85-01-8	-	-	-			0.45				
Pyrene	129-00-0	1,790.	-	1,790.	nc		1.			0.0006	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 1.4E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0065	(Cumulative) Cancer Risk 1.4E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.011			0.0001	2.0E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.11	9.57E-07	cPAH	0.0062	9.6E-07
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.0049			0.	
Acenaphthylene	208-96-8	-	-	-			0.0042				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.021			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.1	8.77E-08	cPAH		8.8E-08
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.11	9.57E-08	cPAH		9.6E-08
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.045				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.11	9.57E-09	cPAH		9.6E-09
Chrysene	218-01-9	-	115.	115.	ca		0.12	1.04E-09	cPAH		1.0E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.019	1.65E-07	cPAH		1.7E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.25			0.0001	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.0053			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.053	4.61E-08	cPAH		4.6E-08
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.0051			0.	2.9E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0064			0.	
Phenanthrene	85-01-8	-	-	-			0.078				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.19			0.0001	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 4.8E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0264	(Cumulative) Cancer Risk 4.9E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To-Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.14			0.0008	2.5E-08
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.37	3.22E-06	cPAH	0.0208	3.2E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.12			0.	
Acenaphthylene	208-96-8	-	-	-			0.11				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.14			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.19	1.67E-07	cPAH		1.7E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.27	2.35E-07	cPAH		2.3E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.39				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.29	2.52E-08	cPAH		2.5E-08
Chrysene	218-01-9	-	115.	115.	ca		0.21	1.83E-09	cPAH		1.8E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.1	8.70E-07	cPAH		8.7E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.34			0.0001	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.16			0.0001	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.35	3.04E-07	cPAH		3.0E-07
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.88			0.0002	5.0E-08
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		1.			0.0042	
Phenanthrene	85-01-8	-	-	-			0.79				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.31			0.0002	

NR 722 Direct-Contact **Exceedance - Hazard - Risk** Calculation Summary from Soil Data (Exclusive Cumulative-only Assessment of cPAHs)

Note: This Summary is OLD. Update with 'Get Summary' in Row 924 of the applicable *_DC_RCLs tab.

BRRTS # : 03-41-578482	# of Soil-Concentration Entries: 18	(Cumulative) cPAH Cancer Risk 2.2E-06	Number of Individual Exceedance 0	(Cumulative) Hazard Index 0.0106	(Cumulative) Cancer Risk 2.2E-06
	Bottom-Line:	Yes, levels are below direct-contact concern.			

Date of Entry: 11/30/2017. List below only has contaminants with data.
Date of Worksheet Used: 03/14/2017.

Contaminant	CAS Number	NC RCL (mg/kg)	C RCL (mg/kg)	Not-To- Exceed D-C RCL (mg/kg)	Basis	BTV (mg/kg)	INPUTTED Site Data (mg/kg)	cPAH Cancer Risk from Data	Flag E = Individual Exceedance!	Hazard Quotient (HQ) from Data	Cancer Risk (CR) from Data
Naphthalene	91-20-3	178.	5.52	5.52	ca		0.014			0.0001	2.5E-09
Benzo[a]pyrene	50-32-8	17.8	0.115	0.115	ca		0.18	1.57E-06	cPAH	0.0101	1.6E-06
Acenaphthene	83-32-9	3,590.	-	3,590.	nc		0.017			0.	
Acenaphthylene	208-96-8	-	-	-			0.0046				
Anthracene	120-12-7	17,900.	-	17,900.	nc		0.031			0.	
Benzo[a]anthracene	56-55-3	-	1.14	1.14	ca		0.17	1.49E-07	cPAH		1.5E-07
Benzo[b]fluoranthene	205-99-2	-	1.15	1.15	ca		0.15	1.30E-07	cPAH		1.3E-07
Benzo[g,h,i]perylene	191-24-2	-	-	-			0.067				
Benzo[k]fluoranthene	207-08-9	-	11.5	11.5	ca		0.2	1.74E-08	cPAH		1.7E-08
Chrysene	218-01-9	-	115.	115.	ca		0.2	1.74E-09	cPAH		1.7E-09
Dibenz[a,h]anthracene	53-70-3	-	0.115	0.115	ca		0.033	2.87E-07	cPAH		2.9E-07
Fluoranthene	206-44-0	2,390.	-	2,390.	nc		0.38			0.0002	
Fluorene	86-73-7	2,390.	-	2,390.	nc		0.011			0.	
Indeno[1,2,3-cd]pyrene	193-39-5	-	1.15	1.15	ca		0.082	7.13E-08	cPAH		7.1E-08
Methylnaphthalene, 1-	90-12-0	4,180.	17.6	17.6	ca		0.005			0.	2.8E-10
Methylnaphthalene, 2-	91-57-6	239.	-	239.	nc		0.0062			0.	
Phenanthrene	85-01-8	-	-	-			0.14				
Pyrene	129-00-0	1,790.	-	1,790.	nc		0.31			0.0002	

Attachment B



We Energies
333 West Everett St., A231
Milwaukee, WI 53203
www.we-energies.com

November 29, 2017

Mr. Paul Grittner
Contaminated Material Management Specialist
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

RE: Shipment of Soil from Boys and Girls Club (Fmr), 1632 N Franklin Pl, Milwaukee, WDNR BRRTS Activity #: 02-41-578482; 03-41-578483 to Solvay Coke and Gas Property, 311 East Greenfield Avenue, Milwaukee WDNR BRRTS Activity # 02-41-466662

I, Robert Paulson, hereby give permission to KC Franklin Partners LLC and its employees, duly authorized representatives, agents and contractors, to enter upon and have access at reasonable times to the property located at 311 East Greenfield Avenue in Milwaukee, Wisconsin for the placement of approximately 16,000 cubic yards of soil. Based on the analytical results, the only soil I have agreed to accept from 1632 N Franklin Pl, Milwaukee, Wisconsin is clean soil (containing no detectable PAHs, PCBs, VOCs or metals consistent with background levels) and soil with low level PAH impacts (PAH concentrations less than the WDNR soil to groundwater RCLs and the non-industrial direct contact RCLs).

The soil will be temporarily staged and ultimately incorporated into a final engineered barrier (i.e., soil cap) of the entire Solvay site as part of remedial activities beginning in 2018. The exact location of where this soil will be placed will be documented as part of remedial activities and provided in the final Solvay site closure submittal. The soil will not be placed within a floodplain or within 3 feet of the groundwater, which is present at depths of approximately 6 to 11 feet below ground surface. Both the placement of the soil and continuing obligations for the soil cap will be consistent with WDNR requirements.

The following are understood and accepted:

- (1) I understand that I may not allow the placement of contaminated soil on my site or facility until the Department issues a written exemption under Wis. Admin. Code § NR 718.12(1) and (2).*
- (2) I acknowledge that I am accepting contaminated material and that I have responsibility as the person who possesses or controls a hazardous substance discharge or environmental pollution as defined in Wisconsin State Statute Chapter 292.*
- (3) I certify to the Department that my property meets the definition of a “site” or “facility” in Wis. Stats. 292.*
- (4) I understand that without prior written approval from the Department the material may not be placed: (1) within a floodplain; (2) within 100 feet of a wetland or critical habitat area; (3) within*

300 feet of any navigable river, stream, lake, pond, or flowage; (4) within 100 feet of any on-site water supply well or 300 feet of any off-site water supply well; (5) within 3 feet of the high groundwater level; and (6) at a depth greater than the depth of the original excavation from which the contaminated soil was removed.

- (5) I will maintain all Wis. Stats. § 292.12 and Wis. Admin. Code § NR 727 continuing obligations required to be placed on the property to maintain protectiveness, including conducting annual inspections, recordkeeping and maintenance requirements.*
- (6) I understand that the presence of the contaminated soil may be disclosable under Wisconsin's real estate disclosure law, Wis. Stats. § 709.*
- (7) I acknowledge that the Department of Natural Resources has the right to inspect my property to determine the adequacy of any continuing obligation placed on the material to ensure protection of public health, safety, welfare and the environment.*
- (8) I understand that if I elect to excavate the contaminated soil in the future, that I will need to obtain written, prior approval from the Department to relocate that material to any other location other than an operating, licensed solid waste facility;*
- (9) I acknowledge that if I plan to build on the area where the contaminated soil will be disposed of, I will need to notify the Department prior to conducting any development activities and may need to receive additional written approvals and pay Department fees for those activities; and*

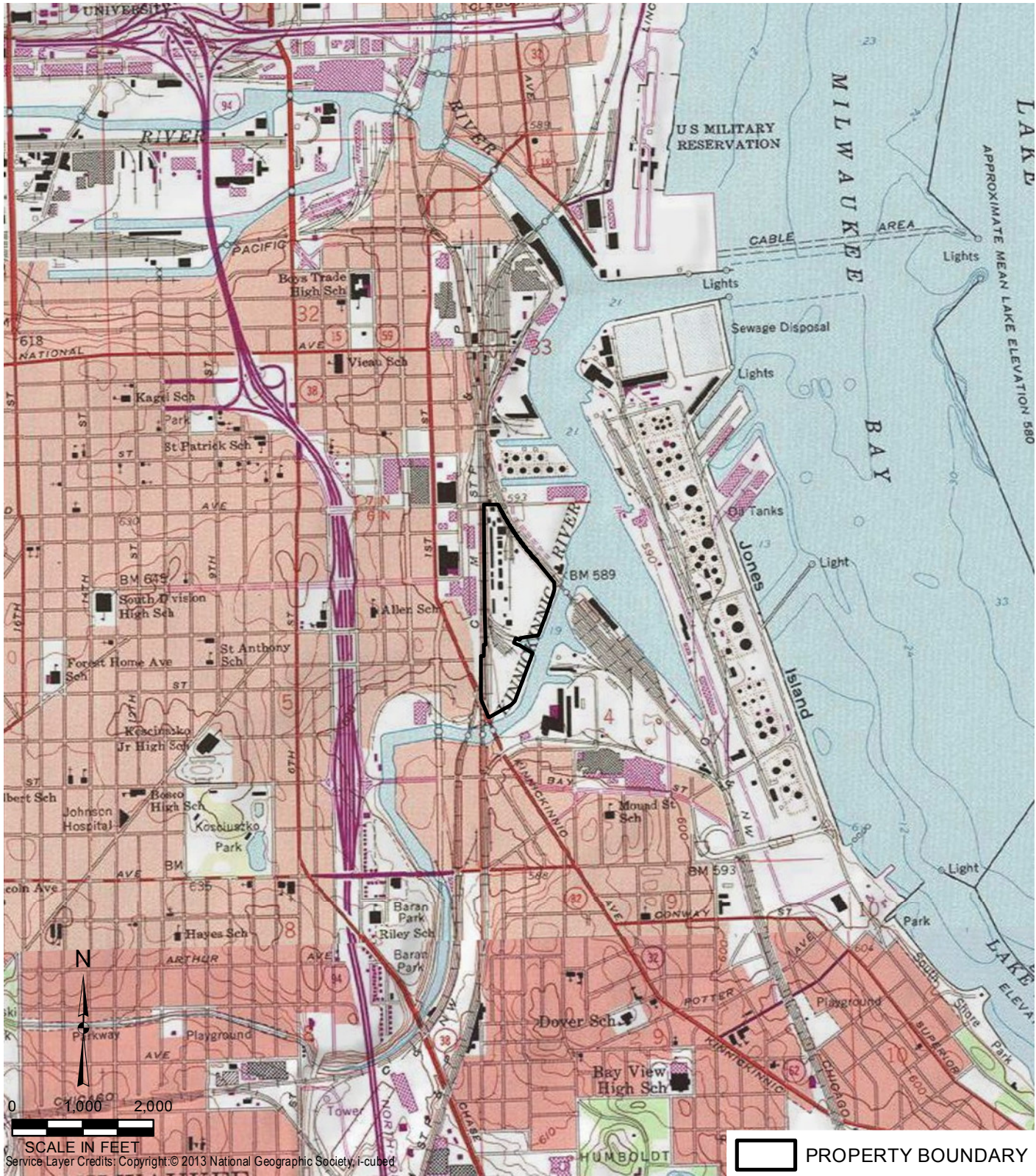
I understand that my site or facility – including the site or facility name, location and the relevant site documents - will be entered into and tracked on the Department's publicly available Bureau for Remediation and Redevelopment Tracking System (BRRTS) database.

Should you have any questions, please don't hesitate to contact me at (414) 221-3948 or robert.paulson@we-energies.com.

Sincerely,



Robert Paulson
Principal Environmental Consultant




Y:\Mapping\Projects\212133\MXD\Figure 1_Site Location.mxd Author: CushmanTD Date/Time: 4/19/2017, 10:39:15 AM

SCALE IN FEET
Service Layer Credits: Copyright © 2013 National Geographic Society, I-cued

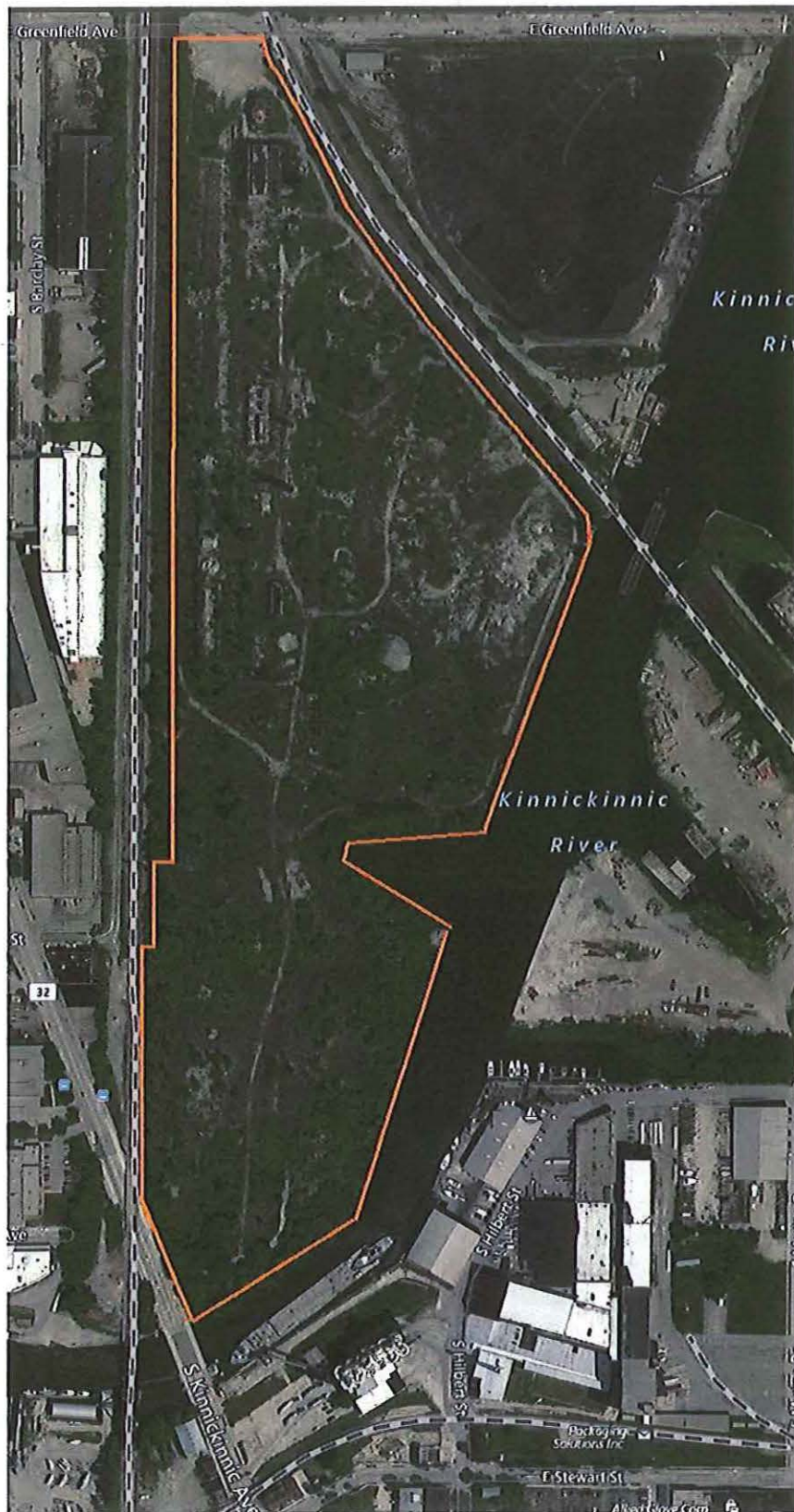
DRAWN BY/DATE:
TDC 4/17/17
REVIEWED BY/DATE:
JFK 4/17/17
APPROVED BY/DATE:
___/17
DRAFT

SITE LOCATION

FORMER MILWAUKEE SOLVAY COKE AND GAS SITE
311 EAST GREENFIELD AVENUE
MILWAUKEE, WISCONSIN

PROJECT NO: 2133
FIGURE NO: 1

AN OBG COMPANY

APPENDIX A -- "UPLANDS" AREA DESIGNATED BY ORANGE LINE



WARRANTY DEED

THIS INDENTURE, made this 1st day of June A. D., 1962, between MILWAUKEE SOLVAY COKE COMPANY, a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the first part, and WISCONSIN COKE COMPANY, INC., a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, located at Milwaukee, Wisconsin, party of the second part.

WITNESSETH, that the said party of the first part, for and in consideration of the sum of One dollar (\$1.00) and other good and valuable consideration to it paid by the said party of the second part, the receipt whereof is hereby confessed and acknowledged, has given, granted, bargained, sold, remised, released, aliened, conveyed and confirmed, and by these presents does give, grant, bargain, sell, remise, release, alien, convey and confirm unto the said party of the second part, its successors and assigns forever, the following described real estate situated in the County of Milwaukee and State of Wisconsin, to-wit:

That part of the Southwest 1/4 of Section 33, Township 7 North, Range 22 East and the Southeast 1/4 of Section 32, Township 7 North, Range 22 East, in the City of Milwaukee, Milwaukee County, Wisconsin, which is bounded and described as follows: Commencing at the South section corner between Sections 32 and 33 aforesaid; running thence North $00^{\circ} 16' 36''$ East along the Section line between Sections 32 and 33 aforesaid 388.00 ft. to a point, said point lying in the center line extended East of East Madison Street; thence South $89^{\circ} 56' 29''$ West along the center line extended East of East Madison Street 49.70 ft. to a point, thence North $03^{\circ} 31' 36''$ East and parallel to the East line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company right of way 310.00 ft., more or less, to a point in the Westerly line of the Chicago and Northwestern Railroad Company right of way, said point being 125.2 ft. Westerly, as measured radially from the Easterly line of the Chicago and Northwestern Railroad Company right of way; thence Southerly along the Westerly line of the Chicago and Northwestern Railroad Company right of way 503.64 ft. on the arc of a curve whose center lies to the East, whose radius is 2694.29 ft. and whose chord bears South $11^{\circ} 52' 26''$ East 502.90 ft. to a point, said point being 155.15 ft. North of the

North line of East Greenfield Avenue; thence North $89^{\circ} 56' 29''$ East and parallel to the North line of East Greenfield Avenue 26.39 ft. to a point on the Westerly line of the Chicago and Northwestern Railroad Company right of way, said point being 100.00 ft. Westerly as measured radially, from the Easterly line of the Chicago and Northwestern Railroad Company right of way; thence Southerly along the Westerly line of the Chicago and Northwestern Railroad Company right of way 217.91 ft. on the arc of a curve whose center lies to the East, whose radius is 2669.09 ft. and whose chord bears South $19^{\circ} 44' 06''$ East 217.85 ft. to a point in the South line of said Section 33; thence South $89^{\circ} 56' 29''$ West along the South line of Section 33 aforesaid 174.67 ft. to the point of commencement; excepting therefrom the South 50.00 ft. as taken for East Greenfield Avenue.

That part of Lots 1, 2, 3, 4, 5 and 7 in the Partition of that part of the Northwest 1/4 of Section 4, Township 6 North, Range 22 East in the City of Milwaukee, Milwaukee County, Wisconsin, lying West of the 1/4 Section Line, which is bounded and described as follows: Commencing at a point in the North line of said 1/4 Section 116.01 ft. North $89^{\circ} 56' 29''$ East of the Northwest corner of said 1/4 Section; running thence North $89^{\circ} 56' 29''$ East along the North line of said 1/4 Section 1460.07 ft. to a point in the Westerly dock line of the Kinnickinnic River; thence South $21^{\circ} 32' 49''$ West along the Westerly dock line of the Kinnickinnic River 842.70 ft. to a point; thence South $89^{\circ} 25' 22''$ West 359.42 ft. to a point in the Northeasterly line of the Chicago and Northwestern Railroad Company right of way, said point being 770.75 ft. South of the South line of East Greenfield Avenue; thence South $39^{\circ} 06' 20''$ East along the Northeasterly line of the Chicago and Northwestern Railroad Company right of way 381.98 ft. to a point in the Westerly dock line of the Kinnickinnic River; thence South $21^{\circ} 32' 49''$ West along the Westerly dock line of the Kinnickinnic River 57.25 ft. to a point; thence South $16^{\circ} 01' 51''$ West along the Westerly dock line of the Kinnickinnic River 54.28 ft. to a point; thence South $20^{\circ} 59' 55''$ West along the Westerly dock line of the Kinnickinnic River 736.17 ft. to a point; thence North $74^{\circ} 49' 58''$ West 464.11 ft. to a point in the North line of Lot 7 aforesaid, said point being 424.30 ft. East of the Northwest corner of said Lot 7; thence North $56^{\circ} 39' 10''$ West 365.79 ft. to a point in the East line of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company right of way, said point being 200.00 ft. North of the North line of said Lot 7 and 116.00 ft. East of the West line of said 1/4 Section; thence North $00^{\circ} 46' 58''$ East along the East line of the Chicago, Milwaukee, St. Paul, and Pacific Railroad Company right of way on a line which is 116.00 ft. East of and parallel to the West line of said 1/4 Section 1552.68 ft. to the point of commencement; excepting therefrom the right of way of the Chicago and Northwestern Railroad Company 100.00 ft. in width running Northwesterly through said lands; and excepting therefrom the North 16.00 ft. as taken for East Greenfield Avenue.

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining; and all the estate, right, title, interest, claim or demand whatsoever, of the said party of the first part, either in law or equity, either in possession or expectancy of, in and to the above bargained premises, and their hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises as above described with the hereditaments and appurtenances, unto the said party of the second part, and to its successors and assigns FOREVER.

AND THE SAID Milwaukee Solvay Coke Company, party of the first part, for itself and its successors, does covenant, grant, bargain and agree to and with the said party of the second part, its successors and assigns, that at the time of the ensembling and delivery of these presents it is well seized of the premises above described, as of a good, sure, perfect, absolute and indefeasible estate of inheritance in the law, in fee simple, and that the same are free and clear from all incumbrances whatever, excepting:

- (i) taxes and assessments, general or special, levied or to be levied from and after January 1, 1961;
- (ii) municipal and zoning ordinances and other laws, rules and regulations promulgated by duly constituted authority regulating or restricting the use or enjoyment of said premises and appurtenances thereto;
- (iii) right of the public and any public authority in and to that portion of said premises lying within the limits of public highways and navigable streams abutting on or adjacent to said premises;
- (iv) rights and easements, if any, in and to any and all rail-road switches, sidetracks, spur tracks and rights of way located upon or appurtenant to said premises; and
- (v) rights, easements and grants to third parties to use or enjoy portions of said premises as rights of way or for the location or maintenance of facilities or of appurtenances to other premises, or for other purposes therein granted, existing as of the date hereof, and arising pursuant to instruments of record, or referred to of record, or under instruments assigned by the Grantor to the Grantee named herein;

-3-

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

DEED 4245 REG 266

IN WITNESS WHEREOF, the said Milwaukee Solvay Coke Company, party of the first part, has caused these presents to be signed by ALBERT P. MUELLER, its Executive Vice President, and countersigned by P. J. HAEFFNER, its Secretary, at Milwaukee, Wisconsin, and its corporate seal to be hereunto affixed, this 1st day of June, A.D., 1962.



SIGNED AND SEALED IN PRESENCE OF
Aurora J. Miller
AURORA J. MILLER
Robert L. Waldo
Robert L. WALDO

MILWAUKEE SOLVAY COKE COMPANY
Albert P. Mueller
ALBERT P. Mueller Executive Vice President
COUNTERSIGNED:
P. J. Haeffner
P. J. Haeffner Secretary

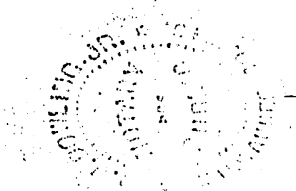
STATE OF WISCONSIN)
) SS.
MILWAUKEE COUNTY)

Personally came before me, this 1st day of June, A.D., 1962, Albert P. Mueller, Executive Vice President, and P. J. Haeffner, Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such Executive Vice President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

D. J. Dowling Jr
Notary Public, Milwaukee County,
Wisconsin

My commission expires: D. J. DOWLING, JR., Notary Public
Milwaukee County, Wisconsin
My Commission Expires Dec. 27, 1964

Document Drafted By Robert L. Waldo



-4-

3952124

M

RECORDED AT
JUN - 1 1962
Vol. 4245. Deeds Page 263
Office of the
Recorder of Deeds

Return to:
745 Wisconsin St
155 N. State St
Milwaukee, Wis.

32

D Rec

7 4 1 3952124

JUN - 1



***First American Title Insurance Company National Commercial Services
833 East Michigan St., Suite 550, Milwaukee, WI 53202
(414)224-1778 - Fax (414)224-6188***

COMMITMENT FOR TITLE INSURANCE

Issued by

First American Title Insurance Company

Agreement to Issue Policy

We agree to issue a policy to you accordingly to the terms of this Commitment.

When we show the policy amount and your name as the proposed insured in Schedule A, this Commitment becomes effective as of the Commitment Date shown in Schedule A.

If the Requirements shown in this Commitment have not been met within six months after the Commitment Date, our obligation under this Commitment will end. Also, our obligation under this Commitment will end when the Policy is issued and then our obligation to you will be under the Policy.

Our obligation under this Commitment is limited by the following:

The Provisions in Schedule A.

The Requirements in Schedule B-1.

The Exceptions in Schedule B-2.

The Conditions.

This Commitment is not valid without Schedule A and Sections 1 and 2 of Schedule B.

SCHEDULE A

Revision Information: Revision No. 1 (01/12/2016)

1. Commitment Date: December 22, 2016 at 7:30 A.M.

2. Policy or Policies to be issued: Amount

(A) ALTA Owners Policy \$0.00

Proposed Insured:
Purchaser to be Named

(B) ALTA Loan Policy \$0.00

Proposed Insured:

3. (A) The estate or interest in the land described in this Commitment is:

Fee Simple

(B) Title to said estate or interest at the date hereof is vested in:

Golden Marina Causeway, LLC, a Wisconsin limited liability company, debtor-in-possession under Case No. [16-03587](#) pending in the U.S. Bankruptcy Court for the Northern District of Illinois.

4. The land referred to in this Commitment is situated in the City of Milwaukee, State of Wisconsin, County of Milwaukee, and described as follows:

Tax ID No.: 430-997-100-3 and 463-9995-200-X

Property Address: 311 and 302 East Greenfield Avenue, Milwaukee, WI
For reference purposes only.

See Exhibit "A" attached for Legal Description.

Exhibit "A "

PARCEL 1:

THAT PART OF THE NORTHWEST 1/4 AND THE SOUTHWEST 1/4 OF SECTION 4 IN TOWN 6 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN, WHICH IS BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT A POINT IN THE SOUTH LINE OF THE NORTHWEST 1/4 OF SAID SECTION 40.00 FEET SOUTH 89° 47' 45" EAST OF THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF SAID SECTION; RUNNING THENCE NORTH 00° 46' 58" EAST ON A LINE WHICH IS 40.00 FEET EAST OF AND PARALLEL TO THE WEST LINE OF THE NORTHWEST 1/4 OF SAID SECTION 333.35 FEET TO THE SOUTHWEST CORNER OF LOT 14 IN PARTITION OF THAT PART OF THE NORTHWEST 1/4 OF SECTION 4, IN TOWN 6 NORTH, RANGE 22 EAST, WHICH LIES WEST OF THE 1/4 SECTION LINE; THENCE SOUTH 89° 47' 45" EAST ALONG THE SOUTH LINE OF LOT 14 AFORESAID 50.00 FEET TO A POINT; THENCE NORTH 00° 46' 58" EAST ALONG THE EAST LINE OF LOT 14 AFORESAID 151.42 FEET TO THE NORTHEAST CORNER OF SAID LOT 14; THENCE SOUTH 89° 47' 45" EAST ALONG THE SOUTH LINE OF LOT 7 IN SAID SUBDIVISION 26.00 FEET TO A POINT; THENCE NORTH 00° 46' 58" EAST ALONG A LINE WHICH IS 116.00 FEET EAST OF AND PARALLEL TO THE WEST LINE OF THE NORTHWEST 1/4 OF SAID SECTION 455.75 FEET TO A POINT WHICH LIES 200.00 FEET NORTH 00° 46' 58" EAST OF THE SOUTH LINE OF LOT 5 IN SAID SUBDIVISION; THENCE SOUTH 56° 39' 10" EAST 365.79 FEET TO A POINT IN THE SOUTH LINE OF SAID LOT 5 WHICH IS 424.30 FEET EAST OF THE SOUTHWEST CORNER OF SAID LOT 5; THENCE SOUTH 74° 49' 58" EAST 464.11 FEET TO A POINT IN THE DOCK LINES OF THE KINNICKINNIC RIVER; THENCE SOUTH 20° 59' 55" WEST ALONG THE DOCK LINE OF THE KINNICKINNIC RIVER 3.93 FEET TO A POINT; THENCE SOUTH 16° 11' 31" WEST ALONG THE DOCK LINE OF THE KINNICKINNIC RIVER 296.93 FEET TO A POINT; THENCE SOUTH 20° 45' 27" WEST ALONG THE DOCK LINE OF THE KINNICKINNIC RIVER 354.07 FEET TO A POINT IN THE SOUTH LINE OF THE NORTHWEST 1/4 OF SAID SECTION, SAID POINT BEING 672.66 FEET SOUTH 89° 47' 45" EAST OF THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF SAID SECTION; THENCE SOUTH 17° 29' 34" WEST ALONG THE DOCK LINE OF THE KINNICKINNIC RIVER 343.01 FEET TO A POINT; THENCE SOUTH 60° 49' 25" WEST ALONG THE DOCK LINE OF THE KINNICKINNIC RIVER 42.79 FEET TO A POINT IN THE NORTH LINE OF THE SOUTH 50.00 FEET OF LOT 1 IN THE SUBDIVISION OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SECTION 4, IN TOWN 6 NORTH, RANGE 22 EAST, COUNTY OF MILWAUKEE, STATE OF WISCONSIN; THENCE SOUTH 89° 47' 45" EAST ALONG THE NORTH LINE OF THE SOUTH 50.00 FEET OF LOT 1 AFORESAID 30.75 FEET TO A POINT IN THE OLD ESTABLISHED DOCK LINE OF THE KINNICKINNIC RIVER; THENCE SOUTH 17° 29' 34" WEST ALONG THE OLD ESTABLISHED DOCK LINE OF THE KINNICKINNIC RIVER 6.00 FEET TO A POINT; THENCE SOUTH 55° 44' 25" WEST ALONG THE OLD ESTABLISHED DOCK LINE OF THE KINNICKINNIC RIVER 427.24 FEET TO A POINT THENCE NORTH 21° 28' 30" WEST ALONG A LINE WHICH IS 44.00 FEET NORTHEASTERLY OF AND PARALLEL TO THE NORTHEASTERLY LINE OF SOUTH KINNICKINNIC AVENUE 57.58 FEET TO A POINT IN THE DOCK LINE OF THE KINNICKINNIC RIVER; THENCE SOUTH 60° 49' 25" WEST ALONG THE DOCK LINE OF THE KINNICKINNIC RIVER 44.40 FEET TO A POINT IN THE NORTHEASTERLY LINE OF SOUTH KINNICKINNIC AVENUE; THENCE NORTH 21° 28' 30" WEST ALONG THE NORTHEASTERLY LINE OF SOUTH KINNICKINNIC AVENUE 232.30 FEET TO A POINT IN THE NORTH LINE OF THE SOUTH 50.00 FEET OF LOT 1 IN THE SUBDIVISION OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SECTION 4; THENCE SOUTH 89° 47' 45" EAST ALONG THE NORTH LINE OF THE SOUTH 50.00 FEET OF LOT 1 AFORESAID 47.35 FEET TO A POINT; THENCE NORTH 21° 28' 30" WEST ALONG A LINE WHICH IS 44.00 FEET NORTHEASTERLY OF AND PARALLEL TO THE NORTHEASTERLY LINE OF SOUTH KINNICKINNIC AVENUE 199.62 FEET TO A POINT WHICH IS 40.00 FEET EAST OF THE WEST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION; THENCE NORTH 00° 53' 55" EAST ALONG A LINE WHICH IS 40 FEET EAST OF AND PARALLEL TO THE WEST LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 163.01 FEET TO THE POINT OF COMMENCEMENT.

BEING LOTS 13 AND 17 AND PART OF LOTS 5, 7, 8, 9, 10, 11 AND 12 IN PARTITION OF THAT PART OF THE NORTHWEST 1/4 OF SECTION 4, IN TOWN 6 NORTH, RANGE 22 EAST, WHICH LIES WEST OF THE 1/4 SECTION LINE AND PART OF LOTS 1 AND 2 IN SUBDIVISION INTO LOTS OF THE WEST 1/2 OF THE SOUTH 1/4 OF SECTION 4, IN TOWN 6 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN.

ALSO;

THAT PART OF LOTS 2, 3, 4, 5 AND 7 IN THE PARTITION OF THAT PART OF THE NORTHWEST 1/4 OF SECTION 4 IN TOWN 6 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN, LYING WEST OF THE ¼ SECTION LINE WHICH LIES WITHIN THE LIMITS OF THE FOLLOWING DESCRIBED PARCEL OF LAND: COMMENCING AT A POINT IN THE NORTH LINE OF SAID 1/4 SECTION 116.01 FEET NORTH 89° 56' 29" EAST OF THE NORTHWEST CORNER OF SAID 1/4 SECTION; RUNNING THENCE NORTH 89° 56' 29" EAST ALONG THE NORTH LINE OF SAID 1/4 SECTION 1460.07 FEET TO A POINT IN THE WESTERLY DOCK LINE OF THE KINNICKINNIC RIVER; THENCE SOUTH 21° 32' 49" WEST ALONG THE WESTERLY DOCK LINE OF THE KINNICKINNIC RIVER 842.70 FEET TO A POINT; THENCE SOUTH 89° 25' 22" WEST 359.42 FEET TO A POINT IN THE NORTHEASTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD TRANSPORTATION COMPANY RIGHT OF WAY, SAID POINT BEING 770.75 FEET SOUTH OF THE SOUTH LINE OF EAST GREENFIELD AVENUE; THENCE SOUTH 39° 06' 20" EAST ALONG THE NORTHEASTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD TRANSPORTATION COMPANY RIGHT OF WAY 381.98 FEET TO A POINT IN THE WESTERLY DOCK LINE OF THE KINNICKINNIC RIVER; THENCE SOUTH 21° 32' 49" WEST ALONG THE WEST DOCK LINE OF THE KINNICKINNIC RIVER 57.25 FEET TO A POINT; THENCE SOUTH 16° 01' 51" WEST ALONG THE WESTERLY DOCK LINE OF THE KINNICKINNIC RIVER 54.28 FEET TO A POINT; THENCE SOUTH 20° 59' 55" WEST ALONG THE WESTERLY DOCK LINE OF THE KINNICKINNIC RIVER 736.17 FEET TO A POINT; THENCE NORTH 74° 49' 58" WEST 464.11 FEET TO A POINT IN THE NORTH LINE OF LOT 7 AFORESAID, SAID POINT BEING 424.30 FEET EAST OF THE NORTHWEST CORNER OF LOT 7; THENCE NORTH 56° 39' 10" WEST 365.79 FEET TO A POINT IN THE EAST LINE OF THE CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC RAILROAD COMPANY RIGHT OF WAY, SAID POINT BEING 200.00 FEET NORTH OF THE NORTH LINE OF SAID LOT 7 AND 116.00 FEET EAST OF THE WEST LINE OF SAID 1/4 SECTION; THENCE NORTH 00° 46' 58" EAST ALONG THE EAST LINE OF THE CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC RAILROAD COMPANY RIGHT OF WAY ON A LINE WHICH IS 116.00 FEET EAST OF AND PARALLEL TO THE WEST LINE OF SAID 1/4 SECTION 1552.68 FEET TO THE POINT OF COMMENCEMENT; EXCEPTING THEREFROM THE RIGHT OF WAY OF THE CHICAGO AND NORTHWESTERN RAILROAD TRANSPORTATION COMPANY 100.00 FEET IN WIDTH RUNNING NORTHWESTERLY THROUGH SAID LANDS; AND EXCEPTING THEREFROM THE NORTH 16.00 FEET AS TAKEN FOR EAST GREENFIELD AVENUE AND THOSE LANDS LYING NORTHEAST OF SAID RAILROAD RIGHT OF WAY.

ALSO EXCEPTING FROM THE ABOVE PARCELS THAT PART CONTAINED IN QUIT CLAIM DEED RECORDED AS DOCUMENT NO. [4421152](#).

PARCEL 2:

THE FOLLOWING DESCRIBED PARCEL IS SITUATED IN THE COUNTY OF MILWAUKEE AND THE STATE OF WISCONSIN, TO WIT:
THAT PART OF THE SOUTHWEST 1/4 OF SECTION 33, TOWNSHIP 7 NORTH, RANGE 22 EAST AND THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 7 NORTH, RANGE 22 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN, WHICH IS BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH SECTION CORNER BETWEEN SECTIONS 32 AND 33 AFORESAID; RUNNING THENCE NORTH 00° 16' 36" EAST ALONG THE SECTION LINE BETWEEN SECTIONS 32 AND 33 AFORESAID 388.00 FT. TO A POINT, SAID POINT LYING IN THE CENTER LINE EXTENDED EAST OF EAST MADISON STREET; THENCE SOUTH 89° 56' 29" WEST ALONG THE CENTER LINE EXTENDED EAST OF EAST MADISON STREET 49.70 FT. TO A POINT, THEN NORTH 03° 31' 36" EAST AND PARALLEL TO THE EAST LINE OF THE CHICAGO, MILWAUKEE, ST. PAUL AND PACIFIC RAILROAD COMPANY RIGHT OF WAY 310.00 FT., MORE OR LESS, TO A POINT IN THE WESTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD COMPANY RIGHT OF WAY, SAID POINT BEING 125.2 FT. WESTERLY, AS MEASURED RADIALLY FROM THE EASTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD COMPANY RIGHT OF WAY; THENCE SOUTHERLY ALONG THE WESTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD COMPANY RIGHT OF WAY 503.64 FT. ON THE ARC OF A CURVE WHOSE CENTER LIES TO THE EAST, WHOSE RADIUS IS 2694.29 FT. AND WHOSE CHORD BEARS SOUTH 11° 52' 26" EAST 602.90 FT. TO A POINT, SAID POINT BEING 155.15 FT. NORTH OF THE NORTH LINE OF EAST

GREENFIELD AVENUE; THENCE NORTH 89° 56' 29" EAST AND PARALLEL TO THE NORTH LINE OF EAST GREENFIELD AVENUE 26.39 FT. TO A POINT ON THE WESTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD COMPANY RIGHT OF WAY, SAID POINT BEING 100.00 FT. WESTERLY AS MEASURED RADially, FROM THE EASTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD COMPANY RIGHT OF WAY; THENCE SOUTHERLY ALONG THE WESTERLY LINE OF THE CHICAGO AND NORTHWESTERN RAILROAD COMPANY RIGHT OF WAY 217.91 FT. ON THE ARC OF A CURVE WHOSE CENTER LIES TO THE EAST, WHOSE RADIUS IS 2669.09 FT. AND WHOSE CHORD BEARS SOUTH 19° 44' 06" EAST 217.85 FT. TO A POINT IN THE SOUTH LINE OF SAID SECTION 33; THENCE SOUTH 89° 56' 29" WEST ALONG THE SOUTH LINE OF SECTION 33 AFORESAID 174.67 FT. TO THE POINT OF COMMENCEMENT; EXCEPTING THEREFROM THE SOUTH 50.00 FT. AS TAKEN FOR EAST GREENFIELD AVENUE.

SCHEDULE B
SECTION ONE
REQUIREMENTS

The following requirements must be met:

- (A) Pay the agreed amount for the interest in the land and/or the mortgage to be insured.
 - (B) Pay us the premiums, fees and charges for the policy.
 - (C) Documents satisfactory to us creating the interest in the land and/or the mortgage to be insured must be signed, delivered and recorded.
1. Entry of an Order by the United States Bankruptcy Court for the Northern District of Illinois in Case No. [16-03587](#), wherein which Golden Marina Causeway, LLC, is Debtor, (I) Approving Sale Procedures in Connection with the Sale of Greenfield Properties; (II) Scheduling a Hearing to Consider the Sale of the Greenfield Properties; (III) approving the Form and Manner of Notice Thereof; and (IV) Approving Break-up Fee.
 2. Recordation of an Order from the United States Bankruptcy Court for the Northern District of Illinois in Case No. [16-03587](#), Golden Marina Causeway, LLC, Debtor, authorizing the sale free and clear of all liens and encumbrances pursuant to Section 363 of Chapter 11 of the United States Code.
 3. Deed from Golden Marina Causeway, LLC, a Wisconsin limited liability company, debtor-in-possession under Case No. [16-03587](#), U.S. Bankruptcy Court for the Northern District of Illinois, to Purchaser to be Named.
 4. The Company must be supplied with a copy of the Articles of Organization and any amendments thereto of Golden Marina Causeway, LLC, together with its Operating Agreement, if any, and all amendments thereto. The Company reserves the right to make such additional requirements as it may deem necessary upon receipt and review of said documents.

The Company must be supplied with satisfactory evidence of the authority of the person executing the deed on behalf of Golden Marina Causeway, LLC, a Wisconsin limited liability company, to bind said limited liability company.
 5. The Company may make further requirements upon review of the Sale Order from the United States Bankruptcy Court.

You must tell us in writing the name of anyone not referred to in this Commitment who will get an interest in the land or who will make a loan on the land. We may then make additional requirements or exceptions.

SCHEDULE B

SECTION TWO

EXCEPTIONS

Any policy we issue will have the following exceptions unless they are taken care of to our satisfaction.

1. Any facts, rights, interests, or claims that are not shown by the public records but that could be ascertained by an inspection of the land or by making inquiry of persons in possession of the land.
2. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.
3. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the title including, discrepancies, conflict in boundary lines, shortages in area, or any other facts that would be disclosed by an accurate and complete land survey of the land, and that are not shown in the public records.
4. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished imposed by law and not shown in the public records.
5. 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 interest or mortgage thereon covered by this Commitment.
6. Special taxes, assessments or charges, if any.

NOTE: Said exception will be removed only if the Company receives written evidence from the municipality that there are no special assessments against the land, or that all such items have been paid in full within 30 days of closing.

7. Taxes, general and special for the year 2017, not now due and payable.
8. Unpaid taxes for the year 2016, in the sum of \$103,450.00, together with fees and interest, Tax Key No. 463-995-200-X.

Unpaid taxes for the year 2015, in the sum of \$107,112.55, together with fees and interest, Tax Key No. 463-995-200-X.

Unpaid taxes for the year 2014, in the sum of \$142,562.51, together with fees and interest, Tax Key No. 463-995-200-X.
9. Unpaid taxes for the year 2016, in the sum of \$3,053.57, together with fees and interest, Tax Key No. 430-9997-100-3

Unpaid taxes for the year 2015, in the sum of \$4,330.52, together with fees and interest, Tax Key No. 430-9997-100-3.

10. Mortgage, according to the terms and provisions thereof, from GOLDEN MARINA CAUSEWAY, LLC, a Wisconsin limited liability company, to CLIFFS MINING COMPANY, a Delaware corporation, to secure the originally stated indebtedness of \$3,000,000.00, and any other amount payable under the terms thereof, dated November 6, 2003 and recorded November 19, 2003, as Document No. [8674275](#).
Assignment of Mortgage from GOLDEN MARINA CAUSEWAY, LLC, a Wisconsin limited liability company, to EAST GREENFIELD INVESTORS, LLC, an Illinois Limited Liability company, dated August 25, 2006 and recorded September 11, 2006, as Document No. [9299461](#).
Affidavit of Correction dated August 11, 2008 and recorded August 14, 2008 as Document No. [9638356](#).
(Parcels 1 and 2)
11. Debt and Lien Subordination Agreement executed by and among CLIFFS MINING COMPANY, a Delaware corporation, WISCONSIN WRECKING COMPANY LLP (a/k/a WRECKING LLP), a Wisconsin limited liability partnership, WATER STREET HOLDINGS, LLC, a Wisconsin limited liability company, AND GOLDEN MARINA CAUSEWAY, LLC, a Wisconsin limited liability company, dated November 6, 2003 and recorded November 19, 2003, as Document No. [8685173](#). (Parcels 1 and 2)
12. Mortgage, according to the terms and provisions thereof, from Golden Marina Causeway, LLC, a Wisconsin limited liability company to Jennifer Meier, Successor Trustee of the Ann Marie Barry Trust Agreement dated March 24, 2003, to secure the originally stated indebtedness of \$4,519,680.74 dated August 12, 2011 and recorded August 16, 2011, as Document No. [10023820](#). (Parcel 2)
13. Rights of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company disclosed by and Reservation contained in Warranty Deed executed by The Milwaukee Electric Railway and Light Company to Pere Marquette Railway Company, recorded on October 26, 1936 in Volume 1461 of Deeds at page 118, as Document No. [2105952](#). (Parcels 1 and 2)
14. Restriction for Easement granted to Pere Marquette Railway Company recorded as Document No. [2105952](#). (Parcels 1 and 2)
15. Rights, easements and grants to third parties to use or to enjoy portions of the premises described in Schedule A hereof as rights of way for the location or maintenance of facilities or of appurtenances to other premises, or for other purposes therein granted, existing as of June 1, 1962 and arising pursuant to instruments of record, or referred to of record, or under instruments disclosed in a Warranty Deed executed by Milwaukee Solvay Coke Company to Wisconsin Coke Company, Inc., dated June 1, 1962 and recorded on June 1, 1962, in Volume 425 of Deeds at page 263, as Document No. [3952124](#). (This exception does not pertain to instruments of record in the office of the Register of Deeds for Milwaukee County, Wisconsin.) (Parcels 1 and 2)
16. Public rights of the United States, the State of Wisconsin or the City or County or any of their agencies in respect to that portion of the subject premises constituting the bed or the waters of Kinnickinnic River and car ferry slip or the banks, shores or dock lines, wharves, piers, protection walls, bulkheads, or other structures pertaining thereto. (Parcel 1)
17. Utility easement granted to Wisconsin Electric Power Company and Wisconsin Telephone Company as Document No. [4443926](#). (Parcels 1 and 2)
18. Rights, if any, with respect to the maintenance and use of sewers, utility pipes, cables or conduits which may be installed under the surface of the subject premises. (Parcels 1 and 2)

19. Easement granted to Chicago, Milwaukee and St. Paul Railway Company recorded as Document No. [852883](#). (Parcels 1 and 2)
20. Easement recorded as Document No. [7058302](#). (Parcels 1 and 2)
21. Solvay Coke Redevelopment Project Area dated March 26, 2003 and recorded May 20, 2003, on Reel 5586, Image 467, as Document No. [8532382](#). (Parcels 1 and 2)
22. Redevelopment Plan for the Port of Milwaukee Redevelopment Project Area recorded November 26, 2010 as Document No. [9943225](#) and Amendment No. 1 Port of Milwaukee Redevelopment Plan recorded August 10, 2011 as Document No. [10021746](#). (Parcels 1 and 2)
23. Order to Correction Conditions Building Pursuant to Section 218-9 MILW Code dated June 4, 2009 and recorded June 17, 2009 as Document No. [9753614](#). (Parcel 2)
24. Order to Raze and Remove Building dated October 25, 2011 and recorded November 3, 2011 as Document No. [10049562](#). (Parcel 1)
25. Order to Raze and Remove Building dated November 4, 2014 and recorded November 11, 2014 as Document No. [10411491](#). (Parcel 1)
26. Order to Raze and Remove Building dated October 25, 2011 and recorded July 30, 2015 as Document No. [10485271](#). (Parcel 1)
27. Steam Easement granted to Wisconsin Electric Power Company recorded September 19, 2013 as Document No. [10295248](#). (Parcels 1 and 2)
28. Assignment of Claim for Lien recorded October 5, 2006, as Document No. [9314640](#).
29. Assignment of Claim for Lien recorded October 5, 2006, as Document No. [9314641](#).
30. Assignment of Claim for Lien recorded August 31, 2006, as Document No. [9295450](#).
31. Assignment of Claim for Lien recorded August 31, 2006, as Document No. [9295451](#).
32. Assignment of Claim for Lien recorded August 31, 2006, as Document No. [9295452](#)
33. Easement Deed by Court Order recorded April 16, 2014 as Document No. [10351439](#). (Parcels 1 and 2)
34. Judgment docketed in the Circuit Court for Milwaukee County Wisconsin on November 5, 2012, Case No. [2012CV008681](#), wherein the City of Milwaukee is Plaintiff and Golden Marina Causeway LLC is Defendant, in the original amount of \$118,215.91.
35. Judgment docketed in the Circuit Court for Milwaukee County Wisconsin on September 15, 2006, Case No. [2005CX000011](#), wherein the State of Wisconsin is Plaintiff and Golden Marina Causeway LLC is Defendant, in the original amounts of \$40,000.00 and \$275,416.50.
36. Matters as set forth in the Chapter 11 Bankruptcy Proceeding filed February 5, 2016 in the Northern District of Illinois, Case [16-03587](#), wherein which Golden Marina Causeway, LLC, is Debtor.

37. Current and future obligations arising from the inclusion of the Land in Business Improvement District No. 51 (Harbor District)
38. Outstanding interest of Wisconsin Gas LLC pursuant to a Purchase and Sale Agreement dated January 10, 2017, as filed with the U.S. Bankruptcy Court for the Northern District of Illinois, Case No. [16-03587](#), and the Sale Procedures as may be set forth by the Bankruptcy Court.
39. Environmental remediation requirements for the Land as may be established by United States Environmental Protection Administration for the site known as the Solvay Coke and Gas Company.
40. Right to a lien for unpaid commissions, if any, in favor of any real estate broker for the property, pursuant to Section 779.32, Wis. Stats. This exception will be removed on receipt by the Company of satisfactory affidavits of the present owner and purchaser that no such commissions are owed, or that commissions will be paid at closing. No broker lien or notice of intent to file a lien has been recorded as of the effective date of this commitment.

CONDITIONS

1. DEFINITIONS

- (a) "Mortgage" means mortgage, deed of trust or other security instrument.
- (b) "Public Records" means title records that give constructive notice of matters affecting the title according to the state law where the land is located.

2. LATER DEFECTS

The Exceptions in Schedule B - Section Two may be amended to show any defects, liens or encumbrances that appear for the first time in the public records or are created or attached between the Commitment Date and the date on which all of the Requirements (a) and (c) of Schedule B - Section One are met. We shall have no liability to you because of this amendment.

3. EXISTING DEFECTS

If any defects, liens or encumbrances existing at Commitment Date are not shown in Schedule B, we may amend Schedule B to show them. If we do amend Schedule B to show these defects, liens or encumbrances, we shall be liable to you according to Paragraph 4 below unless you know of this information and did not tell us about it in writing.

4. LIMITATION OF OUR LIABILITY

Our only obligation is to issue to you the Policy referred to in this Commitment, when you have met its Requirements. If we have any liability to you for any loss you incur because of an error in this Commitment, our liability will be limited to your actual loss caused by your relying on this Commitment when you acted in good faith to;

comply with the Requirements shown in Schedule B - Section One
or

eliminate with our written consent any Exceptions shown in Schedule B - Section Two.

We shall not be liable for more than the Policy Amount shown in A of this Commitment and our liability is subject to the terms of the Policy form to be issued to you.

5. CLAIMS MUST BE BASED ON THIS COMMITMENT

Any claim, whether or not based on negligence, which you may have against us concerning the title to the land must be based on this commitment and is subject to its terms.

Privacy Policy

We Are Commitment to Safeguarding Customer Information

In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information - particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information you provide to us. Therefore, together with our parent company, The First American Corporation, we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability

This Privacy Policy governs our use of the information which you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity. First American has also adopted broader guidelines that govern our use of personal information regardless of its source. First American calls these guidelines its *Fair Information Values*, a copy of which can be found on our website at www.firstam.com.

Types of Information

Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information about your transactions with us, our affiliated companies, or others; and
- Information we receive from a consumer reporting agency.

Use of Information

We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis. We may also provide all of the types of nonpublic personal information listed above to one or more of our affiliated companies. Such affiliated companies include financial service providers, such as title insurers, property and casualty insurers, and trust and investment advisory companies, and escrow companies involved in real estate services, such as appraisal companies, home warranty companies, and escrow companies. Furthermore, we may also provide all the information we collect, as described above, to companies that perform marketing services on our behalf, on behalf of our affiliated companies, or to other financial institutions with whom we or our affiliated companies have joint marketing agreements.

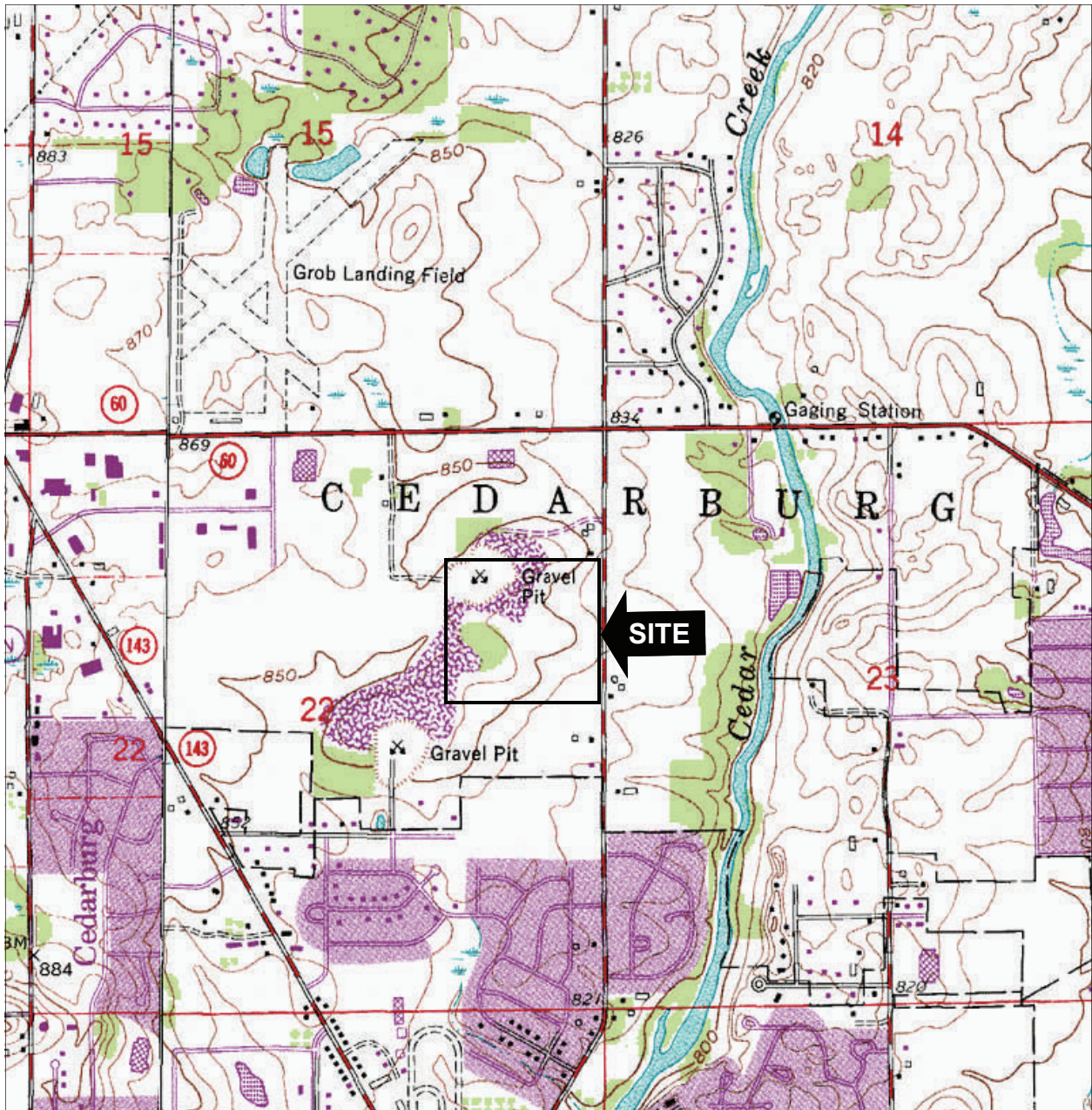
Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security

We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy and First American's *Fair Information Values*. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.


Attachment C




<p>Approximate Scale</p> <p>1" = 2,000'</p>	<p>United States Geological Survey Topographic Map Sheboygan South Quadrangle</p> <p>NW 1/4 of Section 22, Township 9 North, Range 21 East</p>	
---	--	--

<p>FRIESS ENVIRONMENTAL CONSULTING, INC.</p>	<p>Vicinity Diagram R&R Excavating Site Town of Cedarburg, Wisconsin</p>	<p>Figure 1</p>
---	---	---------------------



	2010 Aerial Photograph	
--	------------------------	---

	<p>Site Diagram R&R Excavating Site Cedarburg, Wisconsin</p>	<p>Figure 2</p>
---	--	---------------------

**TOWN OF CEDARBURG
OZAUKEE COUNTY, WISCONSIN**

**R.&R. EXCAVATING & BULLDOZING, INC. - QUARRY RECLAMATION PLAN
in the Se. 1/4 of the Ne. 1/4 of Section 22, T.10N. R.21E.
Sheboygan Rd. C.T.H. "I" - 1/4 mile south of S.T.H. "60"**

• JULY 10, 2012 •

Site Information:

Total Property Area = 39.45 acres (100%)
Quarry Area = 11.01 acres (27.9%)

Current Zoning = A-1 (Agricultural District)
R-2 (Single Family Residential District)

Site Fill Statistics:

Proposed 12" of Top Soil = 17,750 cubic yards
Proposed 24" Soil Cap = 35,500 cubic yards
Proposed General Fill = 536,510 cubic yards
Total Site Fill Volume = 589,760 cubic yards

PROPERTY DESCRIPTION :

The Southeast 1/4 of the Northeast 1/4 of Section 22, Town 10 North, Range 21 East, in the Town of Cedarburg, Ozaukee County, Wisconsin, Inclusive of Certified Survey Map No. 386, as recorded in Vol. 2, Pages 92-93, as Document No. 235606 at the Ozaukee County Register of Deeds.

Excepting therefrom the East 33.0 feet, previously conveyed or dedicated for highway purposes.

OWNER :

Richard Charmoli
320 Douglas Lane
Cedarburg, WI 53012

OPERATOR :

R.&R. Excavating & Bulldozing, Inc.
Richard Charmoli, President
320 Douglas Lane
Cedarburg, WI 53012

Site History :

This site was originally opened as a County gravel pit in the late 1940's to early 1950's. R.&R. Excavating & Bulldozing, Inc. took over ownership and site operations in the early 1960's, and continued gravel mining operations until Jan. 2012. Limestone mining operations at this site took place from 1990 through 2011 in conjunction with the gravel mining. In January 2012, all mining operations at this site ceased. Heavy filling operations commenced in 2005 and are on-going.

Post-mining Land Use :

The ultimate land use for the Quarry located on this property shall be in accordance with its current zoning which is A-1 (Agricultural District) as referenced on this cover sheet. Filling will continue to occur at the site until the final reclamation grades are attained with the final layer being of a topsoil material suitable to support the desired function of the land based on its zoning. The final grading plan will be designed to match the existing topography and drainage of the surrounding lands.

Biological Information :

The lands adjacent to the reclamation site consist of a hardwood forest on the Northwest corner and agricultural lands planted with soy surrounding the remainder of the site. It is assumed that deer, birds, and various other wildlife utilize said lands for feeding, habitat cover, and travel between green space corridors.

Reclamation Measures :

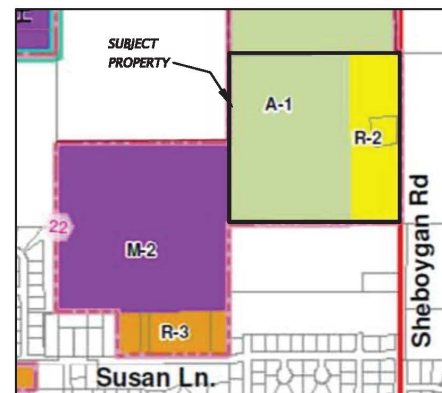
See Reclamation Measures on sheet 8 of 8

F.E.M.A. Note :

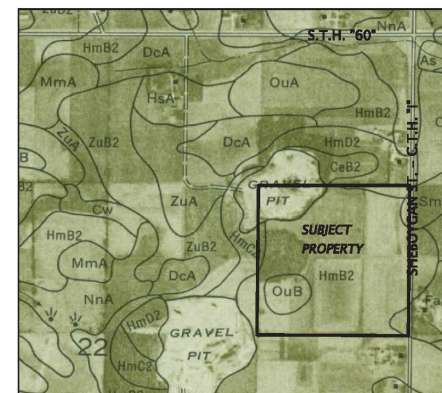
1. The subject property lies within Zone "X" areas determined to be outside the 0.2% annual chance Floodplain as determined by Flood Insurance Rate Map Community Panel No. 55089C 0178 F, Map Revised: December 4, 2007.



LOCATION MAP



ZONING MAP



SOILS MAP

For the United States Department of Agriculture Soil
Conservation Service report Dated September, 1970

SOIL TYPES :

- HmB2 - Hochheim loam, 2 to 6 percent slopes, eroded
- HmC2 - Hochheim loam, 6 to 12 percent slopes, eroded
- HmD2 - Hochheim loam, 12 to 20 percent slopes, eroded
- CeB2 - Casco loam, 2 to 6 percent slopes, eroded
- FaA - Fabius loam, 1 to 2 percent slopes
- OuB - Ozaukee silt loam, 2 to 6 percent slopes
- Sm - Sebewa silt loam

Index of Sheets

Sheet	Description
1	COVER
2	SITE SURVEY & QUARRY LIMITS
3	EXISTING DRAINAGE PATTERNS
4	FINAL RECLAMATION GRADING PLAN
5	INTERIM RECLAMATION GRADING PLAN
6-7	GEOLOGICAL CROSS SECTIONS
8	RECLAMATION MEASURES & EROSION CONTROL DETAILS

Plan Date: July 10, 2012
Revision Date: March 28, 2013
Revision Date: April 5, 2013

Benchmark Note :

1. Main Benchmark is the Section corner monument at the SE. corner of the NE. 1/4 of Section 22, Town 10 North, Range 21 East. Top of monument elevation = 833.26.

CERTIFICATION OF RECLAMATION PLAN

I hereby certify, as duly authorized representative or agent, that I, Richard Charmoli will comply with the provisions of this reclamation plan as well as the statewide nonmetallic mining reclamation standards established in ss. NR 135.05 through NR 135.15, Wisconsin Administrative Code.

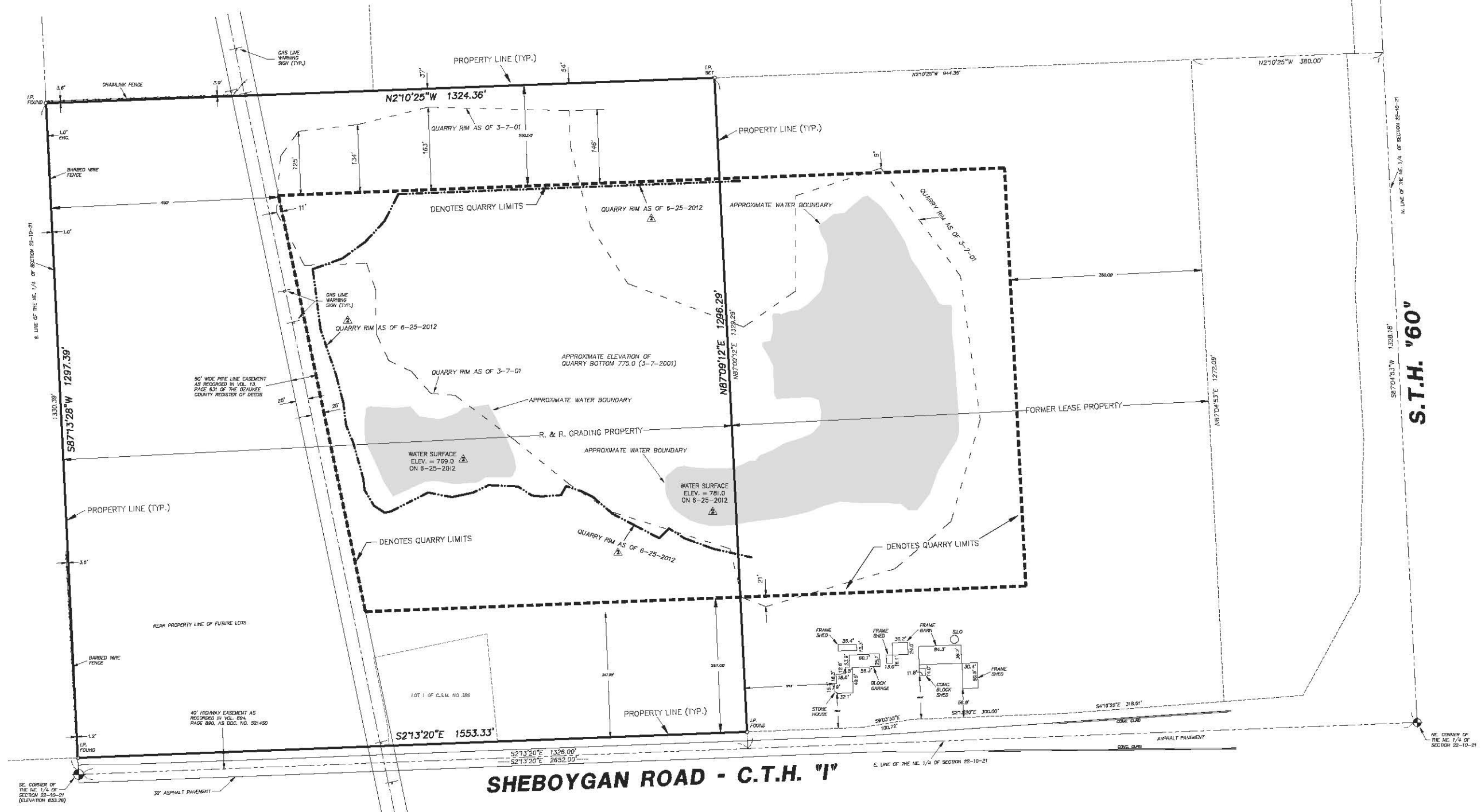
Richard Charmoli, Owner/Operator

Dated: _____



NSE# LS-3350-12

NSE NORTH SHORE ENGINEERING, INC.
Consulting Engineers & Land Surveyors
11433 N. Port Washington Rd., Mequon, Wisconsin, 53092
(262) 241-9400 • FAX: (262) 241-5337
www.northshoreengineering.net



S.T.H. "60"

SHEBOYGAN ROAD - C.T.H. "I"

SHEET
2
OF
8

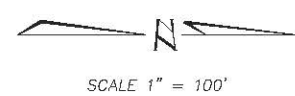
R. & R. PROPERTY DESCRIPTION:
The Southeast 1/4 of the Northeast 1/4 of Section 22, Town 10 North, Range 21 East, in the Town of Cedarburg, Ozaukee County, Wisconsin, inclusive of Certified Survey Map No. 386, as recorded in Vol. 2, Pages 92-93, as Document No. 235606 at the Ozaukee County Register of Deeds.
Excepting therefrom the East 33.0 feet, previously conveyed or dedicated for highway purposes.

SURVEY CERTIFICATE
I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location and dimensions of all visible structures thereon, boundary fences, apparent easements, roadways, and visible encroachments, if any.
This survey is made for the exclusive use of the present owners of the property, and also those who purchase, mortgage, or guarantee the title thereto within one (1) year from date hereof.

3-05-2001
Date
James G. Schneider
Surveyor - S-2127

FORMER LEASE PROPERTY DESCRIPTION:
The Northeast 1/4 of the Northeast 1/4 of Section 22, Town 10 North, Range 21 East, in the Town of Cedarburg, Ozaukee County, Wisconsin, excepting therefrom Certified Survey Map No. 1363 as recorded in Vol. 7, Pages 80-81, as Document No. 329217 at the Ozaukee County Register of Deeds
also excepting therefrom that portion conveyed to the State of Wisconsin in Vol. 902, Page 855, at the Ozaukee County Register of Deeds

BENCHMARK NOTE:
BENCHMARK IS THE TOP OF SE CORNER OF THE NE 1/4 OF SECTION 22-10-21 ELEVATION 833.26



MARK	DATE	REVISION	BY	APVD
▲	7-3-2012	ADD CURRENT RIM, WATER AREAS & RELV.	J.G.S.	J.W.H.
▲	3-7-2001	MINOR REVISIONS	BY	APVD
		REVISION		

QUARRY SURVEY

for
R. & R. Excavating and Bulldozing, Inc.

Sheboygan Rd. - C.T.H. "I"
Town of Cedarburg, WI.

FIELD CREW:	D.R.G. & A.R.H.	Plot No.:	LS-858-12
DATE:	MARCH 5, 2001		
DWN. BY:	J.G.S.		
CHKD. BY:	J.W.H.		

NSE NORTH SHORE ENGINEERING, INC.
Consulting Engineers & Land Surveyors
11433 N. Port Washington Rd., Mequon, Wisconsin, 53092
(262) 241-9400 • FAX: (262) 241-6337
www.northshoreengineering.net

Ozaukee County

Owner (s):

**PAUL R PONFIL TRUST 1/2
CHARMOLI HOLDINGS LLC 1/2**

Location:

Mailing Address:

**PAUL R PONFIL TRUST
CHARMOLI HOLDINGS LLC
320 DOUGLAS LN
CEDARBURG, WI 53012**

School District:

1015 - Cedarburg School

Request Mailing Address Change

Tax Parcel ID Number:Tax District:

03-022-04-000.00 45004-Town of Cedarburg Active

Status:

Alternate Tax Parcel Number:Acres:

38.8500

Description - Comments (Please see Documents tab below for related documents. For a complete legal description, see recorded document.):

0995379 0995252 0983810 351/41 SE NE 38.85 ACS /EXC 4.1/ SEC 22 T 10 R 21

Site Address (es): *(Site address may not be verified and could be incorrect. DO NOT use the site address in lieu of legal description.)*



Ozaukee County GIS

DISCLAIMER: Ozaukee County does not guarantee the accuracy of the material contained here in and is not responsible for any misuse or misrepresentation of this information or its derivatives.



SCALE: 1 = 200'



Ozaukee County
 121 W Main St
 P.O. Box 994
 Port Washington WI 53074
 262-284-9411

Print Date: 11/30/2017