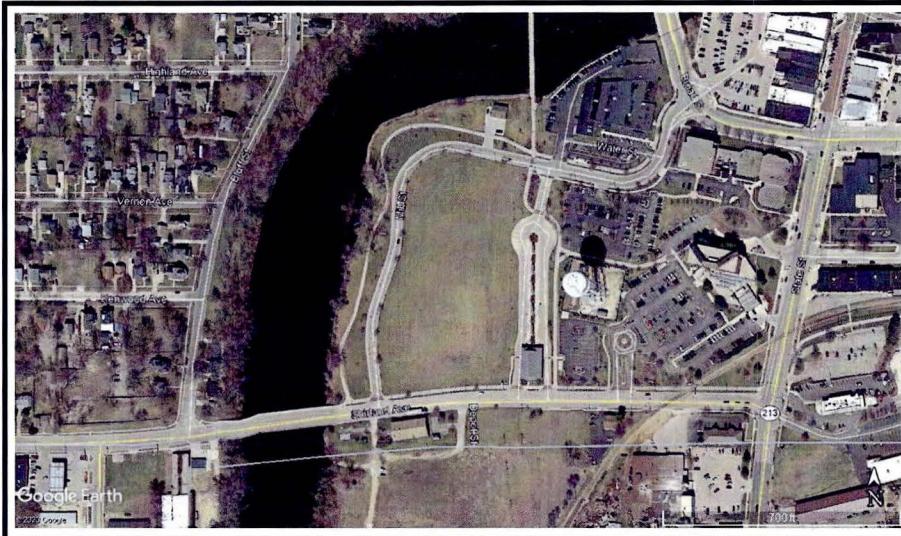


BROWNFIELD

ENVIRONMENTAL ENGINEERING

Soil Management Plan

Riverbend Stadium – Beloit, WI 53511



Date: April 24, 2020

BROWNFIELD PROJECT No.: 002-028

Prepared for:

Riverbend Stadium Authority
525 Third St. – Suite 300
Beloit, WI 53511

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1.0 Introduction

On behalf of Riverbend Stadium Authority Inc., Brownfield Environmental Engineering Resources, LLC (Brownfield) has prepared this Soil Management Plan (SMP). The SMP provides for procedures on guidance of soil management during the redevelopment activities conducted at the proposed Riverbend Stadium site, Beloit, Wisconsin 53511 (Site). **Appendix A** illustrates the Site Location Map. The SMP has been prepared in accordance with the Wisconsin Department of Natural Resources (WDNR) requirements set forth under NR 700.03(50), NR 718.12(1) and (2), and NR 718.15. This SMP outlines the procedures to be implemented for any anticipated excavation, fill/soil disposal characterization, field air monitoring, backfilling, and/or water management efforts related to the Site redevelopment activities.

This SMP provides procedures for effective handling of known areas of concern having soil and groundwater impact. The SMP also provides guidance for unknown environmental features during excavation and backfilling activities. This SMP and the general contractor's Health and Safety Plan (HASP) will provide guidance and procedures to control the exposure of the site workers and the surrounding public to dust, vapors, and/or odors associated with these operations.

2.0 Background

The Site is located north of Shirland Ave. and approximately 750 feet west of US Route 2 in Beloit, Wisconsin. The Rock River runs adjacent to the west of the Site. The side is bordered by the Rock River to the north and west, the Illinois-Wisconsin property boundary and Turtle Creek to the South, and mixed commercial lots and the Beloit Transfer Facility to the east. **Appendix B** illustrates the proposed overall plan for the Site.

The Site consists of a conglomerate of parcels in two states comprising of approximately 21.16 acres of land identified by parcel numbers 13540030, 13540025, 13540020, 13540005, 13540080, 13540073 and 13540060 in Wisconsin; and parcel numbers 0405152001, 0405151001, and 0406277001 in Illinois. The north side of the Site is primarily vacant land with a bike path and Mill St. cutting through it. The south side of the Site (south of Shirland Ave.) is utilized by the City of Beloit Sewer/Water Department. The Illinois-Wisconsin border is also located on the south side of the Site.

The Site was formerly a coal gas manufacturing plant in which significant volatile organic compound (VOC) contaminants and polycyclic aromatic hydrocarbons (PAHs) were released to the soil and groundwater at the property. The City of Beloit purchased the former manufactured gas plant (MGP) in two (2) phases in 1956 and 1966. The City also acquired the northern and eastern portions of the Site. Subsequently, the City of Beloit constructed a wastewater treatment plant on the north side of the Site. In approximately 1991 the City constructed a

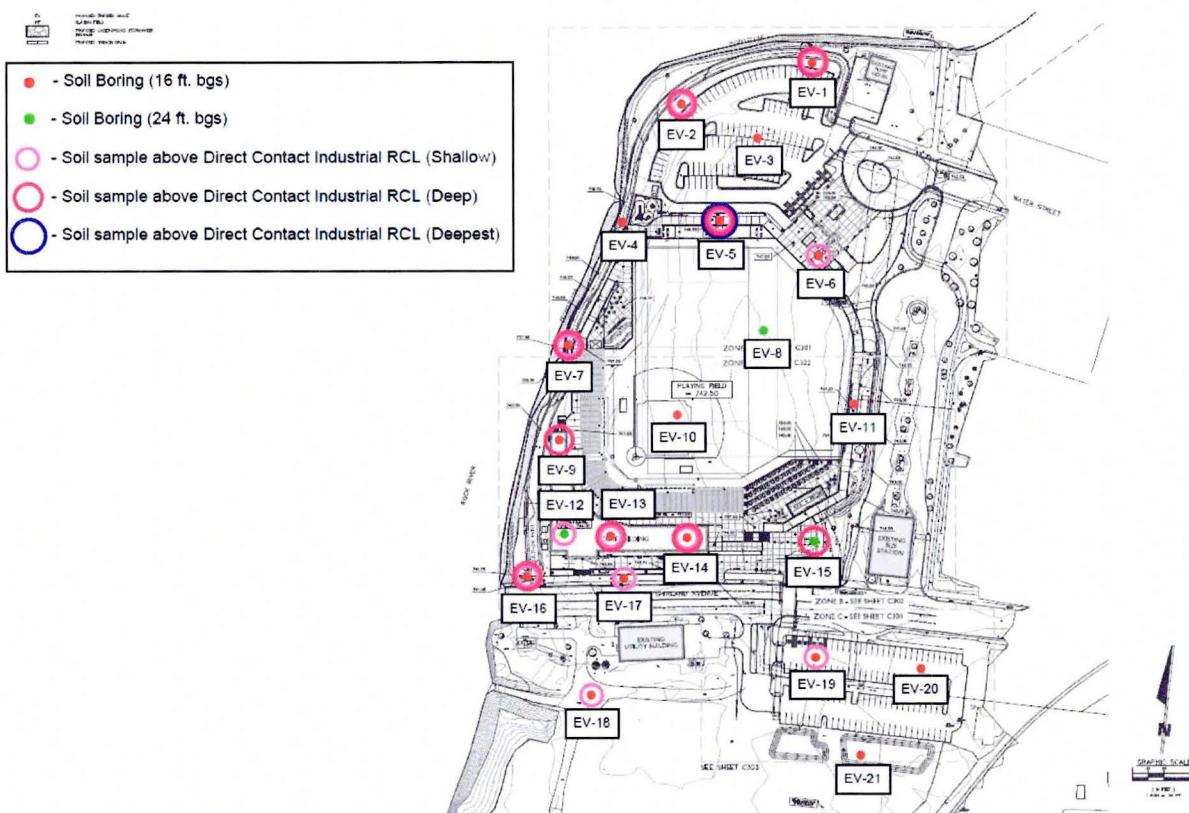
new wastewater treatment plant at a different site and removed the treatment plant buildings and equipment from the site.

2.1 Soil & Groundwater Impact

Soil Impacts

Based upon previous and present soil investigations performed on the Site, significant contamination was found to be present throughout the entire Site. Soils generated during excavation activities shall either be managed on-site or disposed off-site at a landfill. Based upon soil analytical data, soil requiring disposal off site will likely be classified as non-hazardous based upon the Code of Federal Regulations, Chapter I, Subchapter I, Part 261, Subpart C, Part 261, *Identification and Listing of Hazardous Waste*.

An investigation on February 25-26th, 2020 documented significant soil impact at the Site. Exceedances of the NR 720 Direct Contact Industrial residual contamination levels (RCLs) are documented in the figure below. "Direct contact," as defined by NR 720.03 (4) means, "human exposure to substances in soil through one or more of the following pathways: inhalation of particulate matter, dermal absorption, incidental ingestion, or inhalation of vapors from the soil." It is recommended that Engineering Controls and Institutional Control measures be implemented to manage any potential environmental risk to exposure potential to the Site workers during redevelopment. A Summary Comparison Table documenting laboratory analytical results compared to Wisconsin RCLs can be found in **Appendix D**.



Groundwater Impacts

The WDNR has established groundwater quality standards, which are set forth in NR 140, WAC. For each regulated compound, two standards have been established, the Enforcement Standards (ES) and the Preventive Action Limits (PALs). In general, if the regulated contaminant exceeds its PAL, but is below its ES, the WDNR may require additional investigation/continued monitoring. If the regulated contaminant is above its ES, the WDNR may require additional investigation, continued monitoring, and/or remediation.

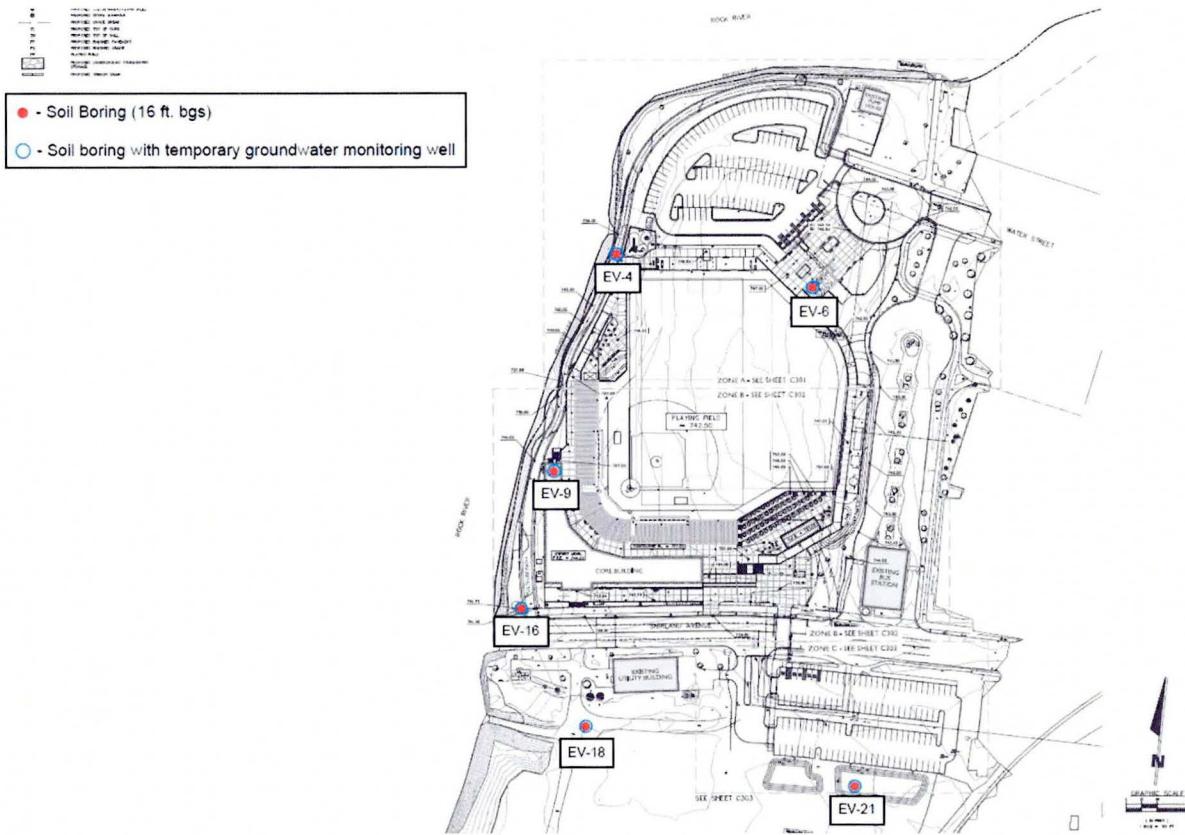
During the February 25-26th, 2020 investigation, groundwater samples collected from the temporary monitoring wells were sent to the laboratory for analysis of VOCs. A review of the groundwater analytical data indicated that the VOC constituent benzene, exceeded the groundwater quality PAL (WI NR 140) in groundwater samples EV-4W, EV-6W, EV-9W, EV-18W, and EV-21W. Additionally, the VOC constituent naphthalene, also exceeded the PAL in groundwater sample EV-6W. There were no groundwater samples that contained VOC constituent levels above the ES.

If groundwater is encountered during excavation or backfilling activities, it will need to be managed to prevent potential contamination from leaving the site. Options for groundwater management may include the following:

- Onsite management by pumping to a holding basin or sump, and letting it percolate back into the ground,
- Collection in totes or large tanks for removal and offsite treatment/disposal,
- Offsite discharge to the storm sewer system or direct discharge to the Rock River
 - Will require a WI DNR Contaminated Groundwater from Remedial Action Operations (No. WI-0046566) permit,
 - Permit requirements will include regular confirmation sampling and reporting

Due to the close proximity of the Site to the Rock River, groundwater levels are anticipated to vary greatly throughout the year due to localized geologic conditions, flooding, etc. Water level readings were collected and are as follows at the time of investigation:

Boring/Well Number	Depth to Water
EV-4	5.7 ft.
EV-6	7.4 ft.
EV-9	7.2 ft.
EV-16	7.5 ft.
EV-18	3.8 ft.
EV-21	5.6 ft.



A map depicting the approximate locations of the on-site monitoring wells can be found above.

3.0 Site Redevelopment Participants & Responsibilities

The Site redevelopment participants are summarized below, along with the primary points of contact and respective responsibilities.

3.1 Riverbend Stadium Authority Inc.

The Riverbend Stadium Authority Inc. serves as the client/developer for the project and has engaged with Hendricks Commercial Properties (HCP) to manage the overall site development process.

The entire project team participants shall report to HCP for any redevelopment issues or concerns. All reports prepared for the tasks conducted under the SMP will be directed to HCP. Any work scope changes or revisions to the approach outlined under the SMP must first be approved by HCP.

3.2 General Contractor

The General Contractor is unknown at this time. The General Contractor will serve as the owner's representative for the Site redevelopment activities. The General Contractor will provide on-site daily management of all work including subcontractors and will provide necessary information to Site workers and implement the SMP procedures to ensure that workers are aware of any environmental issues at the Site. Daily measures must be implemented by the General Contractor to ensure that storm water control, dust control, and erosional control are maintained.

3.3 Brownfield Environmental Engineering Resources, LLC

Brownfield will provide environmental oversight for excavation and grading work at the site which will include direction of proper characterization, handling, management, and/or disposal of Site fill/soils during the redevelopment activities. SMP field coordination and oversight would also include any required additional fill/soil characterization, PID monitoring and obtaining/tracking of disposal waste manifests. The Brownfield project contacts are as follows:

- Brad Brown, P.E., Principal, 608-314-6956
- Josh Kunde, Project Manager, 815-535-7433
- Kassandra Arnold, Project Manager, 608-921-9569

The Brownfield SMP Field Coordinator shall be responsible for the following work tasks:

- Provide Site-specific SMP related information to the project team members at the onset of work, along with responsibilities and protocols to be implemented.
- Obtain representative fill/soil samples for properly characterizing excavation surplus soils to be disposed at a licensed, offsite landfill(s).
- Obtain representative fill/soil samples for analysis in areas planned for open green space for obtaining WDNR approval on use of Engineering Control clean cover fill placement.
- Field monitoring of Site grading and excavation, collection of confirmation samples of any unknown regulated or unregulated features, provide visual and real time air monitoring screening.
- Reporting of any suspect environmental conditions to HCP and the General Contractor SMP Project Manager.
- Notify the WDNR if unknown features are discovered and coordinating with them regarding the proper management of such features if directly or indirectly related to potential impacts to human health or the environment.
- Characterizing, delineating, and supervising the proper management of unknown features and other unknown environmental conditions.
- Provide timely reports summarizing Site SMP activities during the project.

4.0 Environmental Activities for Excavation, Confirmation Sampling, and Backfilling

The following subsections present the activities that will be performed prior to, during, and following the excavation, confirmation sampling, and backfilling activities. Site worker preparation activities will be conducted to minimize down time and interruptions of on-site activities if unknown environmental features are encountered. These preparation activities are intended to identify health and safety issues and prepare and coordinate Site individuals with their respective responsibilities.

4.1 Health & Safety

Required personal protective equipment (PPE) is designed to protect the worker from being exposed to hazardous substances which are known to be present at the Site. The most common routes of exposure include inhalation, ingestion, and absorption. Proper PPE must be worn when applicable.

Based on preliminary investigative work that has been completed to date, it is anticipated that Level D or Level C PPE will be required for all phases of excavation work completed in the areas shown to exceed contaminant reference concentrations. Level D PPE includes the following:

- Work uniform (long pants, long sleeve shirt)
- Work gloves
- Steel-toed construction boots [American National Standard Institute (ANSI) approved]
- Safety goggles or glasses
- Hard hat
- Hearing protection when working in areas with noise at or above 85 dba
- Class II or III reflective safety vest

A modified Level C PPE may be required for some phases of excavation work where contamination is shown to be more severe. The modified Level C PPE includes the following:

- Work uniform (long pants, long sleeve shirt)
- Tyvek suit
- Rubber gloves
- Rubber boots
- Safety goggles or glasses
- Hard hat
- Hearing protection when working in areas with noise at or above 85 dba
- Facemask

4.2 Pre-Work Meeting

The General Contractor will designate a SMP Project Manager for the Site redevelopment project. The General Contractor SMP Project Manager shall attend the pre-work meeting at the commencement of the project. Brownfield will provide a designated SMP Field Coordinator to provide the necessary information to the General Contractor Project Manager, its workers and their subcontractors. The agenda of the meeting will include an oversight of the historical land use, environmental investigations, areas of concern, and any (if required) remedial activities performed at the Site. The meeting will also cover possible unknown environmental features that might be encountered. Additionally, project participant information will be confirmed and updated as necessary by the SMP Project Manager and Brownfield SMP Field Coordinator.

The meeting will include a review of the site history, environmental site conditions, activities, and associated measures to mitigate potential impacts. The meeting will also address concerns of the neighboring businesses and residential properties, and a review of all environmental conditions related to plan and permit approvals.

4.3 Site Control Measures

The following Site Control Measures will be implemented once the excavation work has begun.

4.3.1 Dust Control

The Brownfield SMP Field Coordinator will monitor excavation operations for fugitive dust and inform the General Contractor SMP Project Manager to take measures, as necessary, such as the application of water or a change in operations or equipment in order to reduce the potential of dust leaving the Site. The General Contractor or its subcontractor shall make available local resources, such as fire hydrants or site water utilities, for dust control. Water for dust control will be applied at a rate that prevents runoff and discharge to the storm drain or waters of the State. The City of Beloit will need to be contacted to set up a hydrant meter for rent if their hydrants are to be used as a source of water for dust control.

If wind conditions are reported at 25 miles per hour or higher, **or** fugitive dust is seen to be leaving the Site, the Brownfield SMP Field Coordinator will recommend a halt in work. Work will remain at a halt until windy conditions have subsided or dust control measures have been implemented, at which time the Brownfield SMP Field Coordinator can recommend to the General Contractor for resumption of work.

Petroleum hydrocarbon odors are expected from multiple areas of the site; therefore, the Brownfield SMP Field Coordinator will monitor operations for excessive odors and recommend to the General Contractor on taking measures, such as the application of water,

foaming agents, or a change in operations or equipment, to minimize noticeable or nuisance odors from leaving the Site.

4.3.2 Air Monitoring

A volatile organics (VOCs) instrument shall be used to periodically monitor airborne concentrations of contaminants on the Site. A photoionization detector (PID) will be used to screen excavated soils for VOC contamination, and to measure and record employee breathing zone levels of organic vapors and gasses. The monitoring program may be increased, reduced, or modified by the Brownfield SMP Field Coordinator, based on Site conditions and monitoring results. All monitoring will be accomplished under the direction of the Brownfield SMP Field Coordinator, who will interpret the results.

The air-monitoring program will include sufficient monitoring of air quality in work zones and other on-site areas to assess levels of employee exposure, determine that the work zone designations are valid, and determine whether respiratory protection is to be worn by personnel. Brownfield does not anticipate any worker respiratory protection.

Air monitoring shall be conducted at 15-minute intervals, unless it is determined that air monitoring may occur at less frequent intervals. Conditions effecting monitoring intervals include site work activities, soil contaminant levels, ambient air movement by wind or mechanical methods. Any changes to the plan will be documented and logged.

Monitoring shall be conducted:

- When work begins on a different portion of the site;
- When contaminants other than those previously identified are being handled;
- When a different type of operation is initiated;
- If a sufficient reasonable interval has passed so that exposures may have significantly increased.

Measurements shall be taken at the anticipated source and in the breathing zone of site personnel. Instruments shall only be used by the employees who have been trained in the proper operation, use limitation, and calibration of the monitoring instrument and who have demonstrated the skills necessary to operate the instrument.

4.3.4 Field Instruments

The PID available for on-site screening during field operations will include a MiniRAE meter. Readings can be measured down to 0.1 unit or parts per million (ppm). Calibration of the PID instrument will be performed prior to field use daily. Calibration method as specified in the manufacturer supplied manuals for the PID will be followed.

The result of air monitoring readings shall be recorded on a standard air monitoring data form. A calibration and maintenance log for each instrument shall also be maintained. Records shall also be kept of all significant events, addendums, or any potential changes to level of worker protection.

4.3.5 Groundwater Control

During the course of excavation, the General Contractor or their subcontractors will likely encounter shallow groundwater. If groundwater is encountered during excavation or backfilling activities, the groundwater may be managed on site, treated on-site prior to discharge to the storm sewer or Rock River with a WPDES Contaminated Groundwater from Remedial Action Operations WI-0046566 permit, or collected and transported offsite for treatment and disposal. On-site treatment will require a treatment plan and confirmation sampling to ensure groundwater has reached acceptable regulatory levels.

4.3.6 Storm Water Control

Storm water pollution can occur when surface runoff contacts disturbed soils in excavation areas, exposed wastes, or soil stockpiles. Therefore, this type of runoff will be minimized by using dust control measures such as those discussed in 4.3.1 and maintaining good housekeeping practices on-site.

To control runoff, structural practices may be used to divert flows from exposed impacted soils or otherwise constrain runoff and the discharge of pollutants from exposed areas of the Site containing impacted soil. Silt fences, straw bales, diversion dikes, storm drain inlet protection, outlet protection, visqueen covers, sediment traps, and/or sediment basins may be used to control storm water flow.

The Site Sediment and Erosion Control Plan for the project will contain detailed information on how surface water runoff will be controlled and managed to prevent contamination from leaving the site.

4.4 Site-Specific Soil Management

These Site-Specific Soil Management Protocols will be followed during all excavation and backfilling activities. Stockpiled soil from the project will be covered with plastic sheeting or other similar materials at the end of each workday.

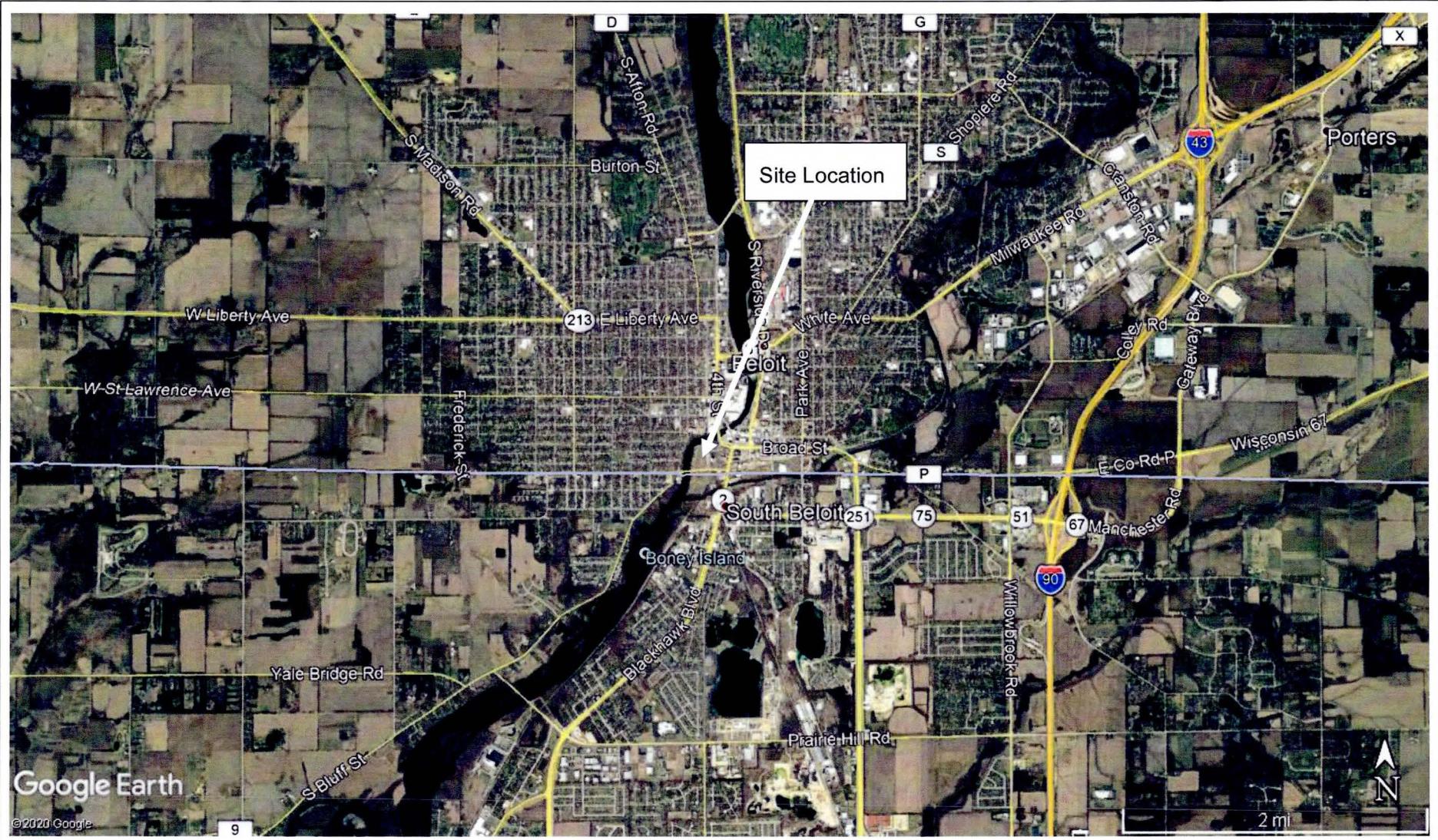
4.4.1 Stained and/or Odorous Soil, Other Unregulated Features

If undocumented stained and/or odorous soil or other unregulated features are discovered at the Site, they will be assessed to determine the proper methods for remediation and worker protection.

4.4.2 Regulated Features

If a regulated feature such as a UST, septic pit, or clarifier is encountered, Brownfield will notify the appropriate agencies, and obtain the applicable permissions and permits to remove the feature.

APPENDIX A



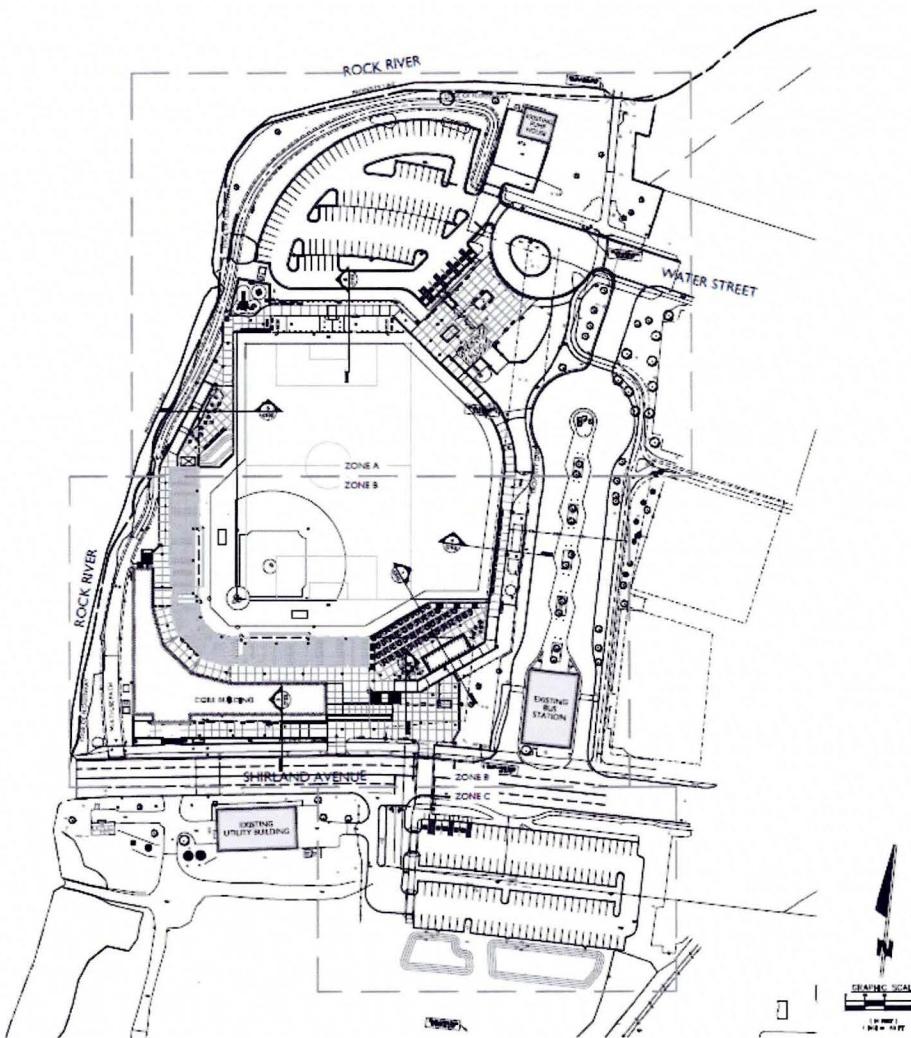
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Site Location Map

LOCATION:	Riverbend Stadium Beloit, WI 53511	
CLIENT:	Hendricks Commercial Properties	
PROJECT:	002-028	
DATE:	March 13, 2020	

APPENDIX B



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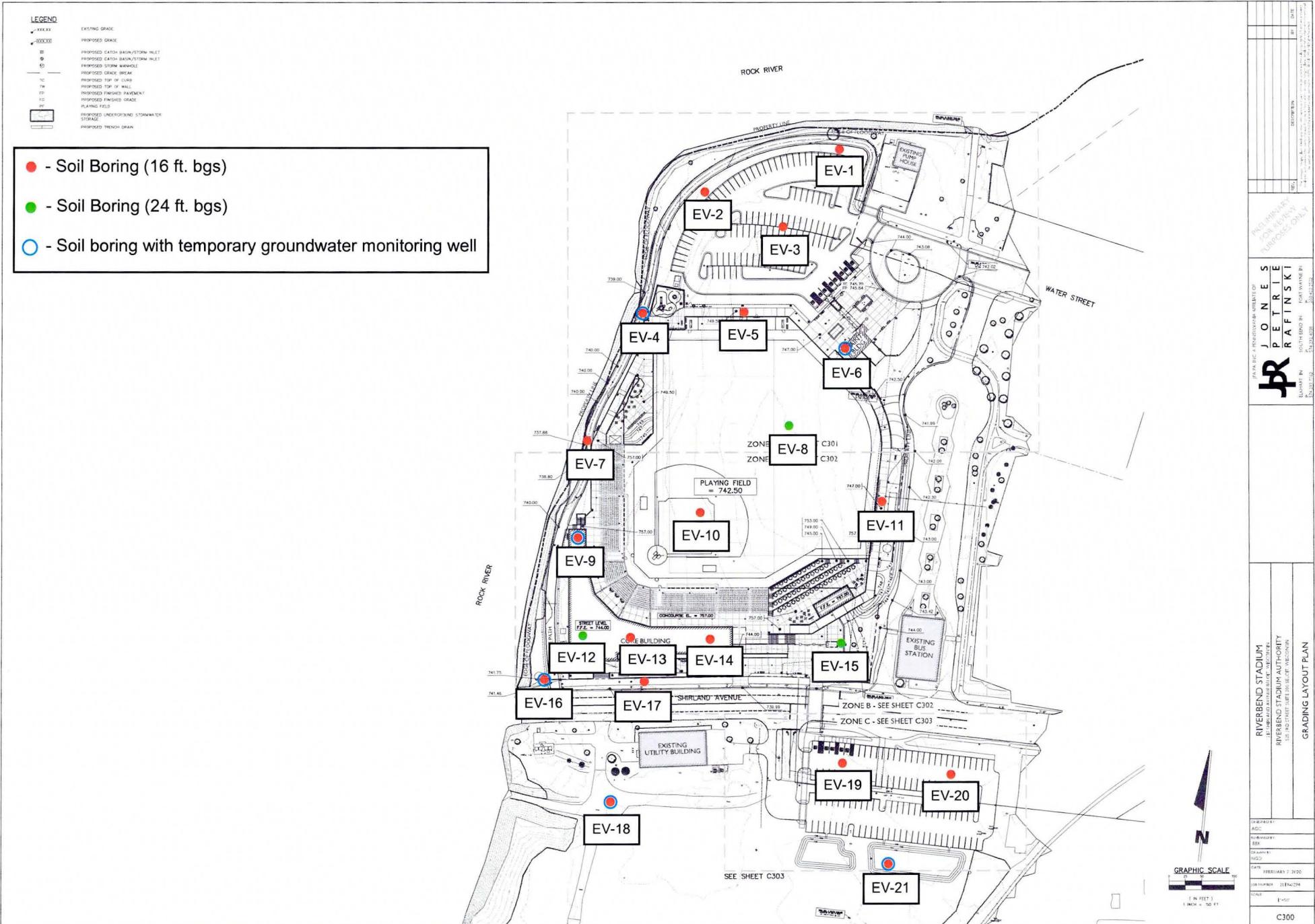
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Proposed Overall Plan

LOCATION:	Riverbend Stadium Beloit, WI 53511
CLIENT:	Hendricks Commercial Properties
PROJECT:	002-028
DATE:	March 13, 2020



APPENDIX C



APPENDIX D

GROWTH RATE OF EXPENDITURE ON NONRESIDUAL		GDP at 2010-11 prices		Per capita GNP	
Year	Rate %	Year	Rate %	Year	Rate %
1950-51	11.00	1951-52	11.00	1950	11.00
1952-53	11.00	1952-53	11.00	1951	11.00
1953-54	11.00	1953-54	11.00	1952	11.00
1954-55	11.00	1954-55	11.00	1953	11.00
1955-56	11.00	1955-56	11.00	1954	11.00
1956-57	11.00	1956-57	11.00	1955	11.00
1957-58	11.00	1957-58	11.00	1956	11.00
1958-59	11.00	1958-59	11.00	1957	11.00
1959-60	11.00	1959-60	11.00	1958	11.00
1960-61	11.00	1960-61	11.00	1959	11.00
1961-62	11.00	1961-62	11.00	1960	11.00
1962-63	11.00	1962-63	11.00	1961	11.00
1963-64	11.00	1963-64	11.00	1962	11.00
1964-65	11.00	1964-65	11.00	1963	11.00
1965-66	11.00	1965-66	11.00	1964	11.00
1966-67	11.00	1966-67	11.00	1965	11.00
1967-68	11.00	1967-68	11.00	1966	11.00
1968-69	11.00	1968-69	11.00	1967	11.00
1969-70	11.00	1969-70	11.00	1968	11.00
1970-71	11.00	1970-71	11.00	1969	11.00
1971-72	11.00	1971-72	11.00	1970	11.00
1972-73	11.00	1972-73	11.00	1971	11.00
1973-74	11.00	1973-74	11.00	1972	11.00
1974-75	11.00	1974-75	11.00	1973	11.00
1975-76	11.00	1975-76	11.00	1974	11.00
1976-77	11.00	1976-77	11.00	1975	11.00
1977-78	11.00	1977-78	11.00	1976	11.00
1978-79	11.00	1978-79	11.00	1977	11.00
1979-80	11.00	1979-80	11.00	1978	11.00
1980-81	11.00	1980-81	11.00	1979	11.00
1981-82	11.00	1981-82	11.00	1980	11.00
1982-83	11.00	1982-83	11.00	1981	11.00
1983-84	11.00	1983-84	11.00	1982	11.00
1984-85	11.00	1984-85	11.00	1983	11.00
1985-86	11.00	1985-86	11.00	1984	11.00
1986-87	11.00	1986-87	11.00	1985	11.00
1987-88	11.00	1987-88	11.00	1986	11.00
1988-89	11.00	1988-89	11.00	1987	11.00
1989-90	11.00	1989-90	11.00	1988	11.00
1990-91	11.00	1990-91	11.00	1989	11.00
1991-92	11.00	1991-92	11.00	1990	11.00
1992-93	11.00	1992-93	11.00	1991	11.00
1993-94	11.00	1993-94	11.00	1992	11.00
1994-95	11.00	1994-95	11.00	1993	11.00
1995-96	11.00	1995-96	11.00	1994	11.00
1996-97	11.00	1996-97	11.00	1995	11.00
1997-98	11.00	1997-98	11.00	1996	11.00
1998-99	11.00	1998-99	11.00	1997	11.00
1999-2000	11.00	1999-2000	11.00	1998	11.00
2000-2001	11.00	2000-2001	11.00	1999	11.00
2001-2002	11.00	2001-2002	11.00	2000	11.00
2002-2003	11.00	2002-2003	11.00	2001	11.00
2003-2004	11.00	2003-2004	11.00	2002	11.00
2004-2005	11.00	2004-2005	11.00	2003	11.00
2005-2006	11.00	2005-2006	11.00	2004	11.00
2006-2007	11.00	2006-2007	11.00	2005	11.00
2007-2008	11.00	2007-2008	11.00	2006	11.00
2008-2009	11.00	2008-2009	11.00	2007	11.00
2009-2010	11.00	2009-2010	11.00	2008	11.00
2010-2011	11.00	2010-2011	11.00	2009	11.00
2011-2012	11.00	2011-2012	11.00	2010	11.00
2012-2013	11.00	2012-2013	11.00	2011	11.00
2013-2014	11.00	2013-2014	11.00	2012	11.00
2014-2015	11.00	2014-2015	11.00	2013	11.00
2015-2016	11.00	2015-2016	11.00	2014	11.00
2016-2017	11.00	2016-2017	11.00	2015	11.00
2017-2018	11.00	2017-2018	11.00	2016	11.00
2018-2019	11.00	2018-2019	11.00	2017	11.00
2019-2020	11.00	2019-2020	11.00	2018	11.00
2020-2021	11.00	2020-2021	11.00	2019	11.00
2021-2022	11.00	2021-2022	11.00	2020	11.00
2022-2023	11.00	2022-2023	11.00	2021	11.00
2023-2024	11.00	2023-2024	11.00	2022	11.00
2024-2025	11.00	2024-2025	11.00	2023	11.00
2025-2026	11.00	2025-2026	11.00	2024	11.00
2026-2027	11.00	2026-2027	11.00	2025	11.00
2027-2028	11.00	2027-2028	11.00	2026	11.00
2028-2029	11.00	2028-2029	11.00	2027	11.00
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2030-2031	11.00	2030-2031	11.00	2029	11.00
2031-2032	11.00	2031-2032	11.00	2030	11.00
2032-2033	11.00	2032-2033	11.00	2031	11.00
2033-2034	11.00	2033-2034	11.00	2032	11.00
2034-2035	11.00	2034-2035	11.00	2033	11.00
2035-2036	11.00	2035-2036	11.00	2034	11.00
2036-2037	11.00	2036-2037	11.00	2035	11.00
2037-2038	11.00	2037-2038	11.00	2036	11.00
2038-2039	11.00	2038-2039	11.00	2037	11.00
2039-2040	11.00	2039-2040	11.00	2038	11.00
2040-2041	11.00	2040-2041	11.00	2039	11.00
2041-2042	11.00	2041-2042	11.00	2040	11.00
2042-2043	11.00	2042-2043	11.00	2041	11.00
2043-2044	11.00	2043-2044	11.00	2042	11.00
2044-2045	11.00	2044-2045	11.00	2043	11.00
2045-2046	11.00	2045-2046	11.00	2044	11.00
2046-2047	11.00	2046-2047	11.00	2045	11.00
2047-2048	11.00	2047-2048	11.00	2046	11.00
2048-2049	11.00	2048-2049	11.00	2047	11.00
2049-2050	11.00	2049-2050	11.00	2048	11.00
2050-2051	11.00	2050-2051	11.00	2049	11.00
2051-2052	11.00	2051-2052	11.00	2050	11.00
2052-2053	11.00	2052-2053	11.00	2051	11.00
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2056-2057	11.00	2056-2057	11.00	2055	11.00
2057-2058	11.00	2057-2058	11.00	2056	11.00
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2061-2062	11.00	2061-2062	11.00	2060	11.00
2062-2063	11.00	2062-2063	11.00	2061	11.00
2063-2064	11.00	2063-2064	11.00	2062	11.00
2064-2065	11.00	2064-2065	11.00	2063	11.00
2065-2066	11.00	2065-2066	11.00	2064	11.00
2066-2067	11.00	2066-2067	11.00	2065	11.00
2067-2068	11.00	2067-2068	11.00	2066	11.00
2068-2069	11.00	2068-2069	11.00	2067	11.00
2069-2070	11.00	2069-2070	11.00	2068	11.00
2070-2071	11.00	2070-2071	11.00	2069	11.00
2071-2072	11.00	2071-2072	11.00	2070	11.00
2072-2073	11.00	2072-2073	11.00	2071	11.00
2073-2074	11.00	2073-2074	11.00	2072	11.00
2074-2075	11.00	2074-2075	11.00	2073	11.00
2075-2076	11.00	2075-2076	11.00	2074	11.00
2076-2077	11.00	2076-2077	11.00	2075	11.00
2077-2078	11.00	2077-2078	11.00	2076	11.00
2078-2079	11.00	2078-2079	11.00	2077	11.00
2079-2080	11.00	2079-2080	11.00	2078	11.00
2080-2081	11.00	2080-2081	11.00	2079	11.00
2081-2082	11.00	2081-2082	11.00	2080	11.00
2082-2083	11.00	2082-2083	11.00	2081	11.00
2083-2084	11.00	2083-2084	11.00	2082	11.00
2084-2085	11.00	2084-2085	11.00	2083	11.00
2085-2086	11.00	2085-2086	11.00	2084	11.00
2086-2087	11.00	2086-2087	11.00	2085	11.00
2087-2088	11.00	2087-2088	11.00	2086	11.00
2088-2089	11.00	2088-2089	11.00	2087	11.00
2089-2090	11.00	2089-2090	11.00	2088	11.00
2090-2091	11.00	2090-2091	11.00	2089	11.00
2091-2092	11.00	2091-2092	11.00	2090	11.00
2092-2093	11.00	2092-2093	11.00	2091	11.00
2093-2094	11.00	2093-2094	11.00	2092	11.00
2094-2095	11.00	2094-2095	11.00	2093	11.00
2095-2096	11.00	2095-2096	11.00	2094	11.00
2096-2097	11.00	2096-2097	11.00	2095	11.00
2097-2098	11.00	2097-2098	11.00	2096	11.00
2098-2099	11.00	2098-2099	11.00	2097	11.00
2099-2100	11.00	2099-2100	11.00	2098	11.00
2100-2101	11.00	2100-2101	11.00	2099	11.00
2101-2102	11.00	2101-2102	11.00	2100	11.00
2102-2103	11.00	2102-2103	11.00	2101	11.00
2103-2104	11.00	2103-2104	11.00	2102	11.00
2104-2105	11.00	2104-2105	11.00	2103	11.00
2105-2106	11.00	2105-2106	11.00	2104	11.00
2106-2107	11.00	2106-2107	11.00	210	

Project ID		Project Name		Category		Status		Budget		Timeline		Team		Resources		Performance		Risk		Stakeholders	
PRJ-2024-001	Project Alpha	Software Development	Active	\$100K	100%	2024-01-01	2024-06-30	\$100K	100%	2024-01-01	2024-06-30	Team A	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-002	Project Beta	Hardware Manufacturing	In Progress	\$80K	95%	2024-02-01	2024-07-31	\$80K	95%	2024-02-01	2024-07-31	Team B	95%	95%	95%	95%	95%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-003	Project Gamma	Market Research	Planning	\$50K	50%	2024-03-01	2024-08-31	\$50K	50%	2024-03-01	2024-08-31	Team C	50%	50%	50%	50%	50%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-004	Project Delta	Infrastructure Upgrade	On Hold	\$70K	30%	2024-04-01	2024-09-30	\$70K	30%	2024-04-01	2024-09-30	Team D	30%	30%	30%	30%	30%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-005	Project Epsilon	Strategic Consulting	Completed	\$60K	100%	2024-05-01	2024-10-31	\$60K	100%	2024-05-01	2024-10-31	Team E	100%	100%	100%	100%	100%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-006	Project Zeta	Product Innovation	Pending Approval	\$90K	70%	2024-06-01	2024-11-30	\$90K	70%	2024-06-01	2024-11-30	Team F	70%	70%	70%	70%	70%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-007	Project Eta	Supply Chain Optimization	Active	\$120K	100%	2024-07-01	2024-12-31	\$120K	100%	2024-07-01	2024-12-31	Team G	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-008	Project Theta	Customer Experience	In Progress	\$150K	80%	2024-08-01	2025-01-31	\$150K	80%	2024-08-01	2025-01-31	Team H	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-009	Project Iota	R&D Project	Planning	\$180K	20%	2024-09-01	2025-04-30	\$180K	20%	2024-09-01	2025-04-30	Team I	20%	20%	20%	20%	20%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-010	Project Kappa	Logistics Expansion	On Hold	\$200K	40%	2024-10-01	2025-05-31	\$200K	40%	2024-10-01	2025-05-31	Team J	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-011	Project Lambda	Market Expansion	Active	\$250K	100%	2024-11-01	2025-06-30	\$250K	100%	2024-11-01	2025-06-30	Team K	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-012	Project Mu	Product Line Upgrade	In Progress	\$300K	60%	2024-12-01	2025-07-31	\$300K	60%	2024-12-01	2025-07-31	Team L	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-013	Project Nu	Supply Chain Transformation	Planning	\$350K	10%	2025-01-01	2025-08-31	\$350K	10%	2025-01-01	2025-08-31	Team M	10%	10%	10%	10%	10%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-014	Project Xi	Strategic Partnership	On Hold	\$400K	30%	2025-02-01	2025-09-30	\$400K	30%	2025-02-01	2025-09-30	Team N	30%	30%	30%	30%	30%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-015	Project Omicron	Product Line Expansion	Active	\$450K	100%	2025-03-01	2026-04-30	\$450K	100%	2025-03-01	2026-04-30	Team O	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-016	Project Pi	Market Penetration	In Progress	\$500K	80%	2025-04-01	2026-05-31	\$500K	80%	2025-04-01	2026-05-31	Team P	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-017	Project Rho	Logistics Network	On Hold	\$550K	50%	2025-05-01	2026-06-30	\$550K	50%	2025-05-01	2026-06-30	Team Q	50%	50%	50%	50%	50%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-018	Project Sigma	Product Line Optimization	Planning	\$600K	10%	2025-06-01	2026-07-31	\$600K	10%	2025-06-01	2026-07-31	Team R	10%	10%	10%	10%	10%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-019	Project Tau	Strategic Alliances	On Hold	\$650K	30%	2025-07-01	2026-08-31	\$650K	30%	2025-07-01	2026-08-31	Team S	30%	30%	30%	30%	30%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-020	Project Phi	Product Line Revamp	Active	\$700K	100%	2025-08-01	2026-09-30	\$700K	100%	2025-08-01	2026-09-30	Team T	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-021	Project Chi	Market Segment Expansion	In Progress	\$750K	60%	2025-09-01	2026-10-31	\$750K	60%	2025-09-01	2026-10-31	Team U	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-022	Project Psi	Logistics Automation	On Hold	\$800K	40%	2025-10-01	2026-11-30	\$800K	40%	2025-10-01	2026-11-30	Team V	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-023	Project Omega	Product Line Integration	Planning	\$850K	10%	2025-11-01	2026-12-31	\$850K	10%	2025-11-01	2026-12-31	Team W	10%	10%	10%	10%	10%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-024	Project Epsilon	Strategic Consulting	On Hold	\$900K	30%	2025-12-01	2027-01-31	\$900K	30%	2025-12-01	2027-01-31	Team X	30%	30%	30%	30%	30%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-025	Project Eta	Supply Chain Transformation	Active	\$950K	100%	2026-01-01	2027-02-28	\$950K	100%	2026-01-01	2027-02-28	Team Y	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-026	Project Theta	Customer Experience	In Progress	\$1M	80%	2026-02-01	2027-03-31	\$1M	80%	2026-02-01	2027-03-31	Team Z	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-027	Project Iota	R&D Project	On Hold	\$1.2M	50%	2026-03-01	2027-04-30	\$1.2M	50%	2026-03-01	2027-04-30	Team AA	50%	50%	50%	50%	50%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-028	Project Kappa	Logistics Expansion	Planning	\$1.5M	10%	2026-04-01	2027-05-31	\$1.5M	10%	2026-04-01	2027-05-31	Team BB	10%	10%	10%	10%	10%	Low	Low	Internal Team	External Stakeholders
PRJ-2024-029	Project Mu	Product Line Upgrade	On Hold	\$1.8M	30%	2026-05-01	2027-06-30	\$1.8M	30%	2026-05-01	2027-06-30	Team CC	30%	30%	30%	30%	30%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-030	Project Nu	Supply Chain Transformation	Active	\$2M	100%	2026-06-01	2027-07-31	\$2M	100%	2026-06-01	2027-07-31	Team DD	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-031	Project Xi	Strategic Partnership	In Progress	\$2.5M	60%	2026-07-01	2027-08-31	\$2.5M	60%	2026-07-01	2027-08-31	Team EE	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-032	Project Omicron	Product Line Expansion	On Hold	\$3M	40%	2026-08-01	2027-09-30	\$3M	40%	2026-08-01	2027-09-30	Team FF	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-033	Project Pi	Market Penetration	Active	\$3.5M	100%	2026-09-01	2027-10-31	\$3.5M	100%	2026-09-01	2027-10-31	Team GG	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-034	Project Rho	Logistics Network	In Progress	\$4M	80%	2026-10-01	2027-11-30	\$4M	80%	2026-10-01	2027-11-30	Team HH	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-035	Project Sigma	Product Line Optimization	On Hold	\$4.5M	50%	2026-11-01	2027-12-31	\$4.5M	50%	2026-11-01	2027-12-31	Team II	50%	50%	50%	50%	50%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-036	Project Tau	Strategic Alliances	Active	\$5M	100%	2026-12-01	2027-01-31	\$5M	100%	2026-12-01	2027-01-31	Team JJ	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-037	Project Phi	Product Line Revamp	In Progress	\$5.5M	60%	2027-01-01	2027-02-28	\$5.5M	60%	2027-01-01	2027-02-28	Team KK	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-038	Project Chi	Market Segment Expansion	On Hold	\$6M	40%	2027-02-01	2027-03-31	\$6M	40%	2027-02-01	2027-03-31	Team LL	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-039	Project Psi	Logistics Automation	Active	\$6.5M	100%	2027-03-01	2027-04-30	\$6.5M	100%	2027-03-01	2027-04-30	Team MM	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-040	Project Omega	Product Line Integration	In Progress	\$7M	80%	2027-04-01	2027-05-31	\$7M	80%	2027-04-01	2027-05-31	Team NN	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-041	Project Epsilon	Strategic Consulting	On Hold	\$7.5M	50%	2027-05-01	2027-06-30	\$7.5M	50%	2027-05-01	2027-06-30	Team OO	50%	50%	50%	50%	50%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-042	Project Eta	Supply Chain Transformation	Active	\$8M	100%	2027-06-01	2027-07-31	\$8M	100%	2027-06-01	2027-07-31	Team PP	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-043	Project Theta	Customer Experience	In Progress	\$8.5M	60%	2027-07-01	2027-08-31	\$8.5M	60%	2027-07-01	2027-08-31	Team QQ	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-044	Project Iota	R&D Project	On Hold	\$9M	40%	2027-08-01	2027-09-30	\$9M	40%	2027-08-01	2027-09-30	Team RR	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-045	Project Kappa	Logistics Expansion	Active	\$9.5M	100%	2027-09-01	2027-10-31	\$9.5M	100%	2027-09-01	2027-10-31	Team SS	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-046	Project Mu	Product Line Upgrade	In Progress	\$10M	80%	2027-10-01	2027-11-30	\$10M	80%	2027-10-01	2027-11-30	Team TT	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-047	Project Nu	Supply Chain Transformation	On Hold	\$10.5M	50%	2027-11-01	2027-12-31	\$10.5M	50%	2027-11-01	2027-12-31	Team UU	50%	50%	50%	50%	50%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-048	Project Xi	Product Line Revamp	Active	\$11M	100%	2027-12-01	2028-01-31	\$11M	100%	2027-12-01	2028-01-31	Team VV	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-049	Project Omicron	Market Segment Expansion	In Progress	\$11.5M	60%	2027-13-01	2028-02-28	\$11.5M	60%	2027-13-01	2028-02-28	Team WW	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-050	Project Pi	Logistics Automation	On Hold	\$12M	40%	2027-14-01	2028-03-31	\$12M	40%	2027-14-01	2028-03-31	Team XX	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-051	Project Omega	Product Line Integration	Active	\$12.5M	100%	2027-15-01	2028-04-30	\$12.5M	100%	2027-15-01	2028-04-30	Team YY	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-052	Project Epsilon	Strategic Consulting	In Progress	\$13M	80%	2027-16-01	2028-05-31	\$13M	80%	2027-16-01	2028-05-31	Team ZZ	80%	80%	80%	80%	80%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-053	Project Eta	Supply Chain Transformation	On Hold	\$13.5M	50%	2027-17-01	2028-06-30	\$13.5M	50%	2027-17-01	2028-06-30	Team AA	50%	50%	50%	50%	50%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-054	Project Theta	Customer Experience	Active	\$14M	100%	2027-18-01	2028-07-31	\$14M	100%	2027-18-01	2028-07-31	Team BB	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-055	Project Iota	R&D Project	In Progress	\$14.5M	60%	2027-19-01	2028-08-31	\$14.5M	60%	2027-19-01	2028-08-31	Team CC	60%	60%	60%	60%	60%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-056	Project Kappa	Logistics Expansion	On Hold	\$15M	40%	2027-20-01	2028-09-30	\$15M	40%	2027-20-01	2028-09-30	Team DD	40%	40%	40%	40%	40%	Medium	Medium	Internal Team	External Stakeholders
PRJ-2024-057	Project Mu	Product Line Upgrade	Active	\$15.5M	100%	2027-21-01	2028-10-31	\$15.5M	100%	2027-21-01	2028-10-31	Team EE	100%	100%	100%	100%	100%	Low	High	Internal Team	External Stakeholders
PRJ-2024-058	Project Nu	Supply Chain Transformation	In Progress	\$16M	80%	2027-22-01	2028-11-30	\$16M	80%	2027-22-01	2028-11-30	Team FF	80%	80%</td							

002-028 - Riverbend Stadium																
Date of Sample Collection:	KV-143		KV-148		KV-178		KV-184		KV-198		KV-199		KV-204			
Time of Sample Collection:	12:50 PM		12:50:02PM		12:50:20P		12:50:28P		12:50:30P		12:50:30P		12:50:30P			
Lab ID:	40503996051		40503996051		40503996048		40503996049		40503996044		40503996044		40503996047		4050399604	
Percent Moisture (ASTM D2974-87)	Units	Percent Moisture %	15.1	20.00	21.00	17.40	17.00	12.90	14.40	8.60						
Volatile Organic Compounds (EPA 8240)	Units															
1,1,1,2-Tetrafluoroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	53.4	2590	12900				
1,1,1,2-Trifluoroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	140	640000	640000				
1,1,2,2-Tetrafluoroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2	753	3690				
1,1,2,2-Trifluoroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3.2	1480	7340				
1,1-Dichloroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	483	4720	23700				
1,1-Dichloropropane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5	342000	1190000				
1,2,3-Trichloropropane ug/kg	<379	<47.3	<47.3	<47.3	<47.3	<47.3	<47.3	<47.3	<47.3	48900	493000					
1,2,3,Trifluorobenzene ug/kg	<299	<37.4	<37.4	<37.4	<37.4	<37.4	<37.4	<37.4	<37.4	5	95					
1,2,4-Trifluorobenzene ug/kg	<333	<41.7	<41.7	<41.7	<41.7	<41.7	<41.7	<41.7	<41.7	408	20000	98700				
1,2,4-Trimethylbenzene ug/kg	3310	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	89.6	89000	219000	83000			
1,2-Dibromo-3-chloropropane ug/kg	<1890	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2	8	97				
1,2-Dibromo-3-chloropropane (EDB) ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	47	210					
1,2-Dichloroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1170	176000	376000				
1,2-Dichloropropane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2.8	608	3030	4.9	600		
1,2-Dichloropropane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3.3	1330	6620				
1,3,5-Trimethylbenzene ug/kg	1496	<25.0	46.0	<25.0	<25.0	<25.0	40.4	J	<25.0	34.7	182000	182000	11000			
1,3-Dichlorobenzene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1150	29700					
1,3-Dichloropropane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	144	310	1750				
1,4-Dichlorobenzene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	527000	527000					
2-Chlorotoluene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	967000	967000					
4-Chlorotoluene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	253000	253000					
Benzene ug/kg	<200	113	28.6	<25.0	<25.0	<25.0	34.0	J	<25.0	5.1	1490	7410	5.5	8500		
Bromobenzene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	354000	679000					
Bromochloromethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	232000	976000					
Bromoform ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3	50	1960				
Carbon tetrachloride ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2.3	61500	242000				
Chlorobenzene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5.1	10300	46000				
Chloroethane ug/kg	<371	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	<46.4	3.9	854	4250				
Chloroform ug/kg	<380	<47.5	<47.5	<47.5	<47.5	<47.5	<47.5	<47.5	<47.5	3.3	423	2130				
Chloroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	15.5	71000	71000				
Dibromoethane ug/kg	<1830	<22.9	<22.9	<22.9	<22.9	<22.9	<22.9	<22.9	<22.9	32	93	4100				
Dichlorodifluoromethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	35000	151000					
Disopropyl ether ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3090	135000	571000				
Ethylbenzene ug/kg	438 J	<25.0	39.5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1570	7470	37000	2900	4600		
Hexachloro-1,3-butadiene ug/kg	<550	<68.7	<68.7	<68.7	<68.7	<68.7	<68.7	<68.7	<68.7	68.7	6220	22100				
Isopropylbenzene (Cumene) ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	268000	268000					
Methyl-tert-butyl ether ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	27	94000	29400				
Methyl chloride ug/kg	<210	<25.3	<26.3	<25.3	<25.3	<25.3	<25.3	<25.3	<25.3	2.6	60700	167000				
Naphthalene ug/kg	59300	293	1470	<27.3	<27.3	143	<27.3	<27.3	146	658	5160	26000	2700	400	20000	110000
Styrene ug/kg	527.3	<25.0	47.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	220	867000	867000				
Trichloroethane ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4480	1120000	1270000				
Vinyl chloride ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1	6	30				
cis-1,3-Dichloropropene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	41.2	156000	2040000				
trans-1,4-Dichloropropene ug/kg	<338	<42.3	<42.3	<42.3	<42.3	<42.3	<42.3	<42.3	<42.3	42.3	1220000	1220000				
m,p-Xylene ug/kg	1320	<30.0	30.0	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0	36.0	108000	108000				
n-Propylbenzene ug/kg	1520	<25.0	139	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	434000	434000					
p-Hydroxytoluene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	620000	150000					
tert-Butylbenzene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	42.0	185000	185000				
trans-1,2-Dichloroethene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	58.8	1560000	1670000				
trans-1,3-Dichloropropene ug/kg	<200	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	15	357000	377000				
Pyrene ug/kg	161000	1990	25100	982	33.0	489	56.7	184	54100	1720000	1650000	8700000	500000	3000000		

002-028 - Riverbend Stadium
Date of Sample Collection: 2/21/2020
Time of Sample Collection: 10:17 AM 9:25 AM 9:36 AM
Site Lab ID: 40203996045 40203996041 40203996042

Percent Moisture (ASTM D123-87)	Units	8.5	11.00	11.10
Volatile Organic Compounds (EPA 8260)	Units			
1,1,1,2-Tetra-chloroethane	ug/kg	-25.0	-25.0	-25.0
1,1,1,2-Trichloroethane	ug/kg	-25.0	-25.0	-25.0
1,1,2,2-Tetrachloroethane	ug/kg	-25.0	-25.0	-25.0
1,1-Dichloroethane	ug/kg	-25.0	-25.0	-25.0
1,1-Dichloroethene	ug/kg	-25.0	-25.0	-25.0
1,1-Dichloropropene	ug/kg	-25.0	-25.0	-25.0
1,2,1-Trichlorobenzene	ug/kg	-47.3	-47.3	-47.3
1,2,2-Trichloropropane	ug/kg	-37.4	-37.4	-37.4
1,2,4-Trichlorobenzene	ug/kg	-41.7	-41.7	-41.7
1,2,4-Trimethylbenzene	ug/kg	-25.0	-25.0	-25.0
1,2-Dibromoethane (E12B)	ug/kg	-25.0	-25.0	-25.0
1,2-Dichlorobenzene	ug/kg	-25.0	-25.0	-25.0
1,2-Dichloroethane	ug/kg	-25.0	-25.0	-25.0
1,2-Dichloropropane	ug/kg	-25.0	-25.0	-25.0
1,3,5-Trimethylbenzene	ug/kg	-25.0	-25.0	-25.0
1,3-Dichlorobenzene	ug/kg	-25.0	-25.0	-25.0
1,4-Dichlorobenzene	ug/kg	-25.0	-25.0	-25.0
2,2-Dichlorotoluene	ug/kg	-25.0	-25.0	-25.0
2-Chlorotoluene	ug/kg	-25.0	-25.0	-25.0
4-Chlorotoluene	ug/kg	-25.0	-25.0	-25.0
Benzene	ug/kg	-25.0	-25.0	158
Bromobenzene	ug/kg	-25.0	-25.0	-25.0
Bromochloromethane	ug/kg	-25.0	-25.0	-25.0
Bromoform	ug/kg	-25.0	-25.0	-25.0
Bromomethane	ug/kg	-63.8	-63.8	-63.8
Carbon tetrachloride	ug/kg	-25.0	-25.0	-25.0
Chlorobenzene	ug/kg	-25.0	-25.0	-25.0
Chloroethane	ug/kg	-46.4	-46.4	-46.4
Chlorofluoroc.	ug/kg	-47.5	-47.5	-47.5
Chloroform	ug/kg	-25.0	-25.0	-25.0
Dibromo-chloromethane	ug/kg	-29	-29	-29
Dibromodifluoromethane	ug/kg	-25.0	-25.0	-25.0
Dichlorodifluoromethane	ug/kg	-25.0	-25.0	-25.0
Diisopropyl ether	ug/kg	-25.0	-25.0	-25.0
Ethylbenzene	ug/kg	-25.0	-25.0	62.5
Hexachloro-1,3-butadiene	ug/kg	-68.7	-68.7	-68.7
Isopropylbenzene (Cumene)	ug/kg	-25.0	-25.0	-25.0
Methyltert-butyl ether	ug/kg	-25.0	-25.0	-25.0
Methylene chloride	ug/kg	-26.3	-26.3	-26.3
Naphthalene	ug/kg	-27.3	-27.3	-27.3
Styrene	ug/kg	-25.0	-25.0	-25.0
Tetra-chloroethene	ug/kg	-38.7	-38.7	-38.7
Toluene	ug/kg	34.6	547	
Trichloroethene	ug/kg	-25.0	-25.0	-25.0
Trifluoromethane	ug/kg	-25.0	-25.0	-25.0
Vinyl chloride	ug/kg	-25.0	-25.0	-25.0
cis-1,2-Dichloroethene	ug/kg	-25.0	-25.0	-25.0
cis-1,3-Dichloropropene	ug/kg	-42.3	-42.3	-42.3
m,p-Xylene	ug/kg	-50.0	-50.0	133.3
n-Butylbenzene	ug/kg	-30.0	-30.0	-30.0
n-Propylbenzene	ug/kg	-25.0	-25.0	-25.0
o-Xylene	ug/kg	-25.0	-25.0	42.1
p-Dichloro-xylene	ug/kg	-25.0	-25.0	-25.0
sec-Butylbenzene	ug/kg	-25.0	-25.0	-25.0
tert-Butylbenzene	ug/kg	-25.0	-25.0	-25.0
trans-1,2-Dichloroethene	ug/kg	-25.0	-25.0	-25.0
trans-1,3-Dichloropropene	ug/kg	-25.0	-25.0	-25.0

RCRA Metals (EPA 6010 & 7471)	Units			
Arsenic	mg/kg	3.9	5.0	4.3
Barium	mg/kg	40.3	2.3	19.8
Cadmium	mg/kg	0.483	0.26	<0.15
Chromium	mg/kg	7.4	9.7	20.0
Lead	mg/kg	39.2	8.9	14.3
Selenium	mg/kg	<1.4	<1.5	<1.5
Silver	mg/kg	<0.33	<0.34	<0.35
Mercury	mg/kg	0.13	<0.011	<0.011

Polyaromatic Hydrocarbons (EPA 8270 by STM)	Units			
1-Methylnaphthalene	ug/kg	15.5	72.1	-2.7
2-Methylnaphthalene	ug/kg	19.4	7.8	3.6
Acenaphthene	ug/kg	2.6	13.2	-2.4
Acenaphthylene	ug/kg	17.1	3.9	-2.4
Anthracene	ug/kg	20.3	47.4	6.2
Benzanthracene	ug/kg	7.7	66.9	15.7
Benzofluoranthene	ug/kg	8.6	61.4	12.8
Benzofluoranthene	ug/kg	9.5	65.2	16.7
Benzofluoranthene	ug/kg	42.4	30.4	8.9
Benzofluoranthene	ug/kg	52.5	37.6	6.7
Chrysenes	ug/kg	77.6	69.1	14.7
Dibenz(a,h)anthracene	ug/kg	15.2	9.2	-2.6
Fluoranthene	ug/kg	1.3	15.5	29.7
Fluoranthene	ug/kg	3.0	12.7	-2.3
Indeno(1,2,3- <i>bc</i>)perylene	ug/kg	40.9	27.9	6.8
Naphthalene	ug/kg	20.1	9.4	5.6
Phenanthrene	ug/kg	47.7	98.5	17.3
Pyrene	ug/kg	107	124	25.0

Id: 4405740388_725 Soil/Characteristics Pathway (250m) 6/14/2015	Id: 1598_W1_NR_720_Soil Cleanup Standard Table 2100 mg/kg Non- Industrial (Effects 1/1/2015)	Id: 1511_W1_NR_720_Soil Cleanup Standard Table Direct Contact Industrial (Effects 1/1/2015)	Id: 1511_W1_NR_720_Soil Cleanup Standard Table NR 1000 mg/kg Protection	Id: 1411_W1_General Soil Cleanup Levels NR 1000 mg/kg Screening	Id: 1411_W1_General Soil Cleanup Levels PAHS Direct Contact Non-industrial	Id: 1411_W1_General Soil Cleanup Levels PAHS Direct Contact Industrial
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53.4	2590	12900				
140	640000	640000				
2	753	3690				
3.2	1440	2400				
483	4720	23700				
5	342000	1190000				
			48900	493000		
51.9	5	95				
408	22000	97000				
			83000			
2	4	57				
628	47	210				
1170	376000	376000				
2.8	608	3030	4.9	600		
3.3	1330	6620				
			182000	182000		
1150	297000	297000				
			1000000	1000000		
144	3480	17500				
			527000	527000		
			907000	907000		
			253000	253000		
5.1	1490	7410	5.5	8500		
			354000	679000		
			323000	976000		
			5	500		
			2.3	61500	231000	
			5.1	10300	46000	
			3.9	854	4250	
			136	392000	761000	
			227	2120000		
			3.3	423	2130	
			15.5	171000	72000	
			32	933	4400	
				35000	151000	
			3990	135000	571000	
			2600000	2600000		
1570	7470	37000	2900	4600		
			6220	22100		
			2680000	2680000		
			27	9640	2200	
			2.6	60700	167000	
			658	5150	26000	
			220	867000	867000	
			4.5	30700	133000	
			1110	818000	818000	1500
			3.6	1260	8810	
			4480	1120000	1200000	
			1	67	2030	
			41.2	156000	2040000	
			58.8	1560000	1670000	
			54100	1720000	1650000	

	61	2.4				
165	15300	1000000				
75	70	799				
366000			380000	906000	6000000	
27	400	800				
52	391	5110				
85	391	5110				
21	3.1	3.1				
			38000	8.8	390	
			500000	600000	4000000	
			100000	600000	4000000	
			630000	88	3900	
			6380000	1800	39000	
			1480	21100	870000	
			145	14800	37000	
			15	211	8800	
			88900	2290000	2260000	
			148000	229000	2260000	
			148	2110	360000	
			479	2110	630000	
			148	2110	870000	
			145	14800	37000	
			14800	21100	8800	
			145	14800	37000	
			54100	1720000	1650000	
				870000	500000	3000000