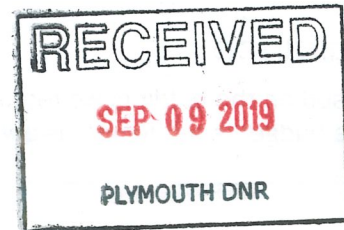


September 6, 2019
File No. 25216050.01

Mr. Lee Delcore
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1155 Pilgrim Road
Plymouth, WI 53073



Subject: Change Order Request for SVE System Installation
Mobile Oil Gas Station 05-H4A
9922 W. Capitol Drive, Milwaukee, WI
PECFA #5322-1435-22-A
DNR BRRTS #03-41-095653

Dear Mr. Delcore:

As requested in your letter dated October 23, 2018, SCS Engineers (SCS) solicited bids for the construction of a soil vapor extraction (SVE) system at the above referenced site (**Attachment A**). We received three bids for the project, which are included in **Attachment B**. A summary of the bids is as follows:

\$48,675.00	North Shore Environmental Construction, Inc. (North Shore)
\$52,400.00	Dakota Intertek, Corp.
\$65,238.00	Reconex, Inc.

Based on the bid results, SCS proposes that North Shore be contracted for installation of the SVE system.

BACKGROUND

In your letter dated October 23, 2018, the Wisconsin Department of Natural Resources (WDNR) approved \$3,725 in commodity budget as a variance to the Usual and Customary Cost Schedule (UCCS) for the SVE construction. This amount was based on the 25% cost separation methodology defined in WDNR's December 17, 2014 letter. The total SVE (Task 5) commodity budget included the following line items:

- A. \$125 for electrical contractor
- B. \$3,000 for SVE excavation, SVE installation, and completion work, including surface cover
- C. \$300 for SVE installation permits
- D. \$300 for soil disposal

The \$3,000 budget (Item B) noted above was contingent upon bidding; however, SCS included all SVE commodity tasks (Items A through D) in our bid package so that the complete SVE system construction could be competitively bid. The SVE permitting (Item C) is included in our bid package but was included under Item B.



CHANGE ORDER REQUEST

Variance

Based on the bidding, we request approval for the Task 5 commodity budget as summarized below. The budget is requested as a variance to the Usual and Customary Cost Schedule (UCCS).

Item	Commodity Estimate (North Shore)	25% of Commodity Estimate	Approved Budget	Change Order Amount
Electrical Contractor	\$ 2,750.00	\$ 687.50	\$ 125.00	\$ 562.50
Excavation, system installation, and completion work, including surface cover and permits	\$43,925.00	\$10,981.25	\$3,300.00	\$7,681.25
Soil Disposal	\$ 2,000.00	\$ 500.00	\$ 300.00	\$ 200.00
Total	\$48,675.00	\$12,168.75	\$3,725.00	\$8,443.75

UCCS

We also request that the WDNR approve an additional \$98.31 (25% of the \$393.23 UCCS change order request budget) for preparation of this change order.

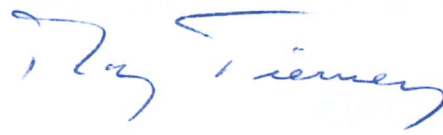
The total change order amount requested is \$8,542.06 (\$8,443.75 + \$98.31), including the above-noted variance and UCCS costs.

Please feel free to contact us at (608) 224-2830 with any questions concerning this letter.

Sincerely,



Keith Gilkey, PE
Senior Design Engineer
SCS Engineers



Ray Tierney, PG
Vice President
SCS Engineers

KRG/jsn/REL/RT

cc: J. Singh – PSK Investments
Thomas A. Cabush – Cabush, Kasdorf, Lewis & Swietlik, SC
David G. Peterson – Reinhart, Boerner, Van Deuren, SC
John Hnat, WDNR

Encl. Attachment A – Bid Package
Attachment B – Contractor Bids

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Attachment A

Bid Package



Bid Package

Soil Vapor Extraction System
PSK Investments
Milwaukee, Wisconsin

Prepared for:

PSK Investments
9922 Capitol Drive
Milwaukee, Wisconsin

SCS ENGINEERS

25216050.00 | August 2019

2830 Dairy Drive
Madison, WI 53718-6751
608-224-2830

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- I. INSTRUCTIONS TO BIDDERS
- II. BID FORM
- III. SPECIFICATIONS
- IV. DRAWINGS

INSTRUCTIONS TO BIDDERS

1. DEFINITIONS

- a. **Owner:** PSK Investments
- b. **Engineer:** SCS Engineers
- c. **Contractor:** Contractor performing Work.
- d. **Bidder:** Firm submitting bid to perform the Work. The selected Bidder will become the Contractor when the Contract is fully executed.
- e. **Drawings:** Soil Vapor Extraction System, PSK Investments
- f. **Specifications:** Specifications, Soil Vapor Extraction System, PSK Investments
- g. **Work:** All labor, materials, and supplies required for a complete functional installation.

2. PREPARATION OF BID

- a. Bids shall be submitted on the Bid Form provided as part of the Bid Package. The Bid Form shall be completely executed when submitted.
- b. The Bidder shall submit a current certificate of insurance with the bid.
- c. The Bidder shall submit a construction schedule for the Work with the bid.
- d. The Bidder shall submit a construction contract for the project with the bid. The Owner reserves the right to make modifications to this contract.
- e. The Bidder may submit additional information that it believes will be useful in the Bid evaluation.

3. SUBMITTAL OF BIDS

Bids will be received at SCS Engineers, 2830 Dairy Drive, Madison, WI 53718. Bids are due on August 30, 2019, at 3:00 pm. Bids may be submitted by email to kgilkey@scsengineers.com.

4. EXAMINATION OF SITE AND CONTRACT DOCUMENTS

- a. The Bidder shall thoroughly examine and be familiar with the Specifications and Drawings.
- b. The Bidder shall visit the site of the proposed Work and become fully acquainted with conditions as they exist so that Bidder may fully understand the facilities, difficulties, and restrictions attending the execution of the Work under the Contract. The date and time of the Pre-Bid Meeting is August 27, 2019 at 10:00 am.

- c. The failure or omission of any Bidder to receive or examine any form, instrument, or document or to visit the site and become acquainted with the conditions there existing shall in no way relieve the Bidder from any obligation with respect to its Bid.

5. INTERPRETATION OF DOCUMENTS

The Bidder shall notify the Engineer of any discrepancies, omissions, unclear or ambiguous language or other questions regarding the Bidding Documents. Such notification may initially be made via telephone, but must be confirmed in writing. If time allows, the Engineer will answer the question in the form of an Addendum to the Bidding Documents. The Addendum will be provided to all Bidders. If time does not allow for preparation of an Addendum, and if the Bidder considers the matter important as to have a bearing on its Bid, the Bidder shall stipulate it in a letter of clarification to be submitted along with its Bid.

6. WITHDRAWAL OR MODIFICATION OF BIDS

Bids may be withdrawn or modified by written request received prior to the date and time of Bid opening.

7. AWARD OF CONTRACT

The Contract will be awarded to the Bidder whose proposal is most advantageous to the Owner. The Owner reserves the right to award the Contract on any basis deemed to be in its best interest.

8. REJECTION OF BIDS

The Owner reserves the right to reject any and all bids when such rejection is in the interest of the Owner. Any bidder not receiving approval of the Engineer for variance from materials specified in the Bidding Documents is subject to disqualification.

BID FORM

To: SCS Engineers
 Attention: Keith Gilkey
 2830 Dairy Drive
 Madison, WI 53718-6751

From: _____
 (Name of Bidder)

 (Address of Bidder)

For: Soil Vapor Extraction System, PSK Investments, Milwaukee, Wisconsin

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the Owner in the form included in the Bid Package to perform all Work as specified in the Bidding Documents for the amount specified below:

Item	Unit	Quantity	Unit Price	Total
Mobilization/ Demobilization	Lump Sum	1		
Erosion Control	Lump Sum	1		
Location and Marking of Underground Utilities	Lump Sum	1		
Underground and Aboveground Piping	Lump Sum	1		
SVE System	Lump Sum	1		
Electrical Connection	Lump Sum	1		
Soil Disposal ⁽¹⁾	Drums	10		
Restoration	Lump Sum	1		
Total Bid Price				

Total Bid Price (Written): _____

- (1) Soil disposal shall consist of landfill disposal of drums of soil generated during trenching activities, drilling of well SVE-1 (by others), and two drums of soil already on-site. SCS Engineers will assist with permitting for disposal.
2. Bidder accepts all of the terms and conditions of the Bidding Documents. This Bid shall remain subject to acceptance for 30 days following the Bid opening. If selected for the project, the Bidder will sign and submit the Agreement within 5 days after receipt of the Notice of Award.

3. In submitting this Bid, Bidder represents that:

- (a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of which is hereby acknowledged):

Date: _____ Number: _____

- (b) Bidder has reviewed the Specifications and Drawings with respect to state and local codes and other regulations, has identified any required changes to the Specifications and Drawings, and has included the cost of these revisions in the base Bid. Bidder has attached a written list to this Bid Form identifying the required changes.

4. Estimated number of working days to complete project: _____

5. Bidder shall submit a sample Agreement between Owner and Bidder with the Bid for review and approval.

Company Name of Bidder: _____

Bidder is (check one): Individual () Partnership ()
Corporation () Limited Liability Company ()

State of Incorporation or Registration: _____

Signature and Date

Name, Title

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Specifications

Soil Vapor Extraction System
PSK Investments
Milwaukee, Wisconsin

Prepared for:

PSK Investments
9922 Capitol Drive
Milwaukee, Wisconsin

SCS ENGINEERS

25216050.00 | August 2019

2830 Dairy Drive
Madison, WI 53718-6751
608-224-2830

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SECTION 15051	POLYVINYL CHLORIDE (PVC) PIPING
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DIVISION 16 - ELECTRICAL

SECTION 16050	GENERAL ELECTRICAL REQUIREMENTS
SECTION 16910	CONTROL PANEL

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SECTION 01010
SUMMARY OF WORK

PART 1 GENERAL

1.1 DESCRIPTION OF THE WORK

- A. The Work includes, but is not limited to, the following items:
1. Mobilization/Demobilization: transportation of equipment and materials (such as barricades, lights, warning signs), road maintenance, material safety data sheets for chemicals used, and insurance.
 2. Erosion Control: the installation of erosion control materials; maintenance of all erosion controls throughout construction; and removal of erosion controls once restoration is completed and vegetation has been restored.
 3. Location and marking of all private and public utilities.
 4. Purchase and installation of new 3-inch below ground and above ground SVE piping.
 5. Purchase and installation of new SVE system, enclosure and controls.
 6. Installation of electrical service to SVE system.
 7. Disposal of drums of soil.
 8. Restoration of disturbed areas, including concrete sidewalk.

1.2 GENERAL REQUIREMENTS

- A. Perform Work in a manner which minimizes disruptions to the operation of the Site. Contractor shall coordinate with Owner on schedule of Work to minimize disruptions of operations.
- B. Perform Work in compliance with federal, state and local codes, zoning laws, and other applicable regulations.
- C. Obtain all necessary permits, including street opening, building, electrical and plumbing.
- D. Notify public utilities a reasonable time before starting the Work. Verify public utility markings prior to Work. Contractor is responsible for damage to public utilities or subterranean structures, including property damage or environmental damage resulting from damage to public utilities or subterranean structures and other incidental damage, if Contractor fails to obtain markings of public utility lines or subterranean structures, if Contractor performs the Work in disregard of utility or structure markings, or if Contractor is otherwise negligent in performing the Work.
- E. Locate and mark private utilities and subterranean structures in the areas of the Work. Contractor is responsible for damage to private utilities or subterranean structures, including property damage or environmental damage resulting from damage to public utilities or subterranean structures and other incidental damage, if Contractor fails to obtain markings of private utility lines or subterranean structures, if Contractor performs the Work in disregard of utility or structure markings, or if Contractor is otherwise negligent in performing the Work.
- F. In the case of conflicts or confusion between the Contract and the Specification or Drawings, the Contract takes precedence.

1.3 WARRANTY OF CONSTRUCTION

- A. In addition to other warranties in this Contract, Contractor warrants that Work is free of any defects for a period of 1 year.

- B. The warranty shall take effect upon Owner's written notice of acceptance of the completed Work.
- C. Contractor shall remedy, at Contractor's expense, any defect in Work within 2 weeks of written notice of defect.
- D. Defect repairs shall be made to the requirements of the Specifications.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

SECTION 01016
SAFETY REQUIREMENTS AND PROTECTION OF PROPERTY

PART 1 GENERAL

1.1 HEALTH AND SAFETY CONSIDERATIONS

- A. The site soil and groundwater has known petroleum contamination. There may be potential threats to worker health associated with industrial products. The contamination at the site is detailed in previous Site Investigation Reports.
- B. Contractor is solely and completely responsible for health and safety. This requirement applies continuously for the duration of the Contract. The Owner, Engineer, and their representatives are not responsible for safety.
- C. Employ a person who is qualified and experienced in construction safety, whose prime responsibility will be accident prevention during construction. Such person(s) shall be at the work site and be authorized to supervise and enforce compliance with the Health and Safety Plan.
- D. Provide all equipment required to implement the Health and Safety Plan.

1.2 HEALTH AND SAFETY PLAN

- A. Develop and implement in accordance with the Agreement, OSHA regulations, 29 CFR 1910, 29 CFR 1926, and any other applicable federal, state or local regulations. At a minimum, the plan shall address the items listed below as well as any additional items required by site-specific project conditions and/or local, state, and federal regulations.
 - 1. Key Personnel and on-site Competent Person.
 - 2. Comprehensive workplan.
 - 3. Hazard analysis for each site task.
 - 4. Employee training.
 - 5. Personal protective equipment.
 - 6. Medical surveillance.
 - 7. Frequency and types of air monitoring, personnel monitoring and environmental sampling techniques, and instrumentation to be used.
 - 8. Site control measures.
 - 9. Decontamination procedures.
 - 10. Emergency response plan.
 - 11. Spill containment program.

1.3 EXCAVATION SAFETY

- A. Maintain a temporary barrier (i.e., orange plastic fencing) around excavations at all times while open to restrict access and/or other requirements under the street opening permit and other permits.

1.4 ACCIDENT REPORTS

- A. If serious injury or damage occurs, the accident shall be reported immediately by telephone or messenger to the Engineer and to appropriate local authorities. In addition, the Contractor must promptly report in writing to the Engineer all accidents occurring in connection with the Work, giving full details, names, and statements of witnesses.
- B. If a claim is made by anyone against the Contractor or any Subcontractor resulting from an accident, the Contractor shall promptly report the facts in writing to the Engineer and Owner, giving full details of the claim, including investigation and restitution.

- C. In addition, a summary report shall be made to the Engineer with each Payment Application which shall indicate the date, time, name of the injured, details of the accident, and current status.

1.5 COMPLAINTS

- A. All complaints received by the Contractor shall be reported to the Engineer and Owner no later than the working day following receipt thereof. Such reports shall include the name, address, date, time received, date and time of action complained about, and a brief description of the alleged damages or other circumstances upon which the complaint is predicated. Each complaint shall be assigned a separate number, and all complaints shall be numbered consecutively in order of receipt. In the event that more than one complaint is received from the same complainant, each latter complaint shall show all previous complaint numbers registered by the same complainant.
- B. In addition, a summary report shall be made to the Engineer with each Payment Application which shall indicate the date, time, and name of the person investigating the complaint and the amount of damages claimed (or estimate thereof), including the amount of settlement, if any.
- C. When settlement of a claim is made, the Engineer and Owner shall be furnished with a copy of the release of claim by the claimant. The Engineer shall be notified immediately, throughout the statutory period of liability, of any formal claims or demands made by attorneys on behalf of claimants; of the serving of notice, summons, subpoena, or other legal documents incidental to litigation; and for any out-of-court settlement or court verdicts resulting from litigation.

1.6 FIRE PREVENTION AND PROTECTION

- A. Execute all Work in a fire-safe manner. Supply and maintain on the site adequate fire-fighting equipment capable of extinguishing incipient fires. Comply with applicable fire-prevention laws. Where these laws do not apply, applicable parts of the National Fire Prevention Standard for Safeguarding Building Construction Operations (NFPA No. 241) shall be followed.

1.7 SECURITY

- A. If the Contractor deems it necessary to employ watchmen to safeguard the Work, equipment, or the public, employ only licensed and uniformed watchmen, physically capable of adequately patrolling the entire work area.

1.8 PROTECTION OF PROPERTY

- A. Employ such means and methods as necessary to adequately protect all property against damage. In the event of damage to such property, immediately restore the property to a condition at least equal to its original condition and to the satisfaction of the Owner, at Contractor's expense.

1.9 SITE RESTORATION AND CLEANUP

- A. At all times during the Work, keep the premises clean and orderly; and upon completion of the Work, repair all damage caused by equipment and leave the project free of rubbish or excess materials of any kind.
- B. Stockpile excavated materials on in a manner that will cause the least damage to adjacent lawns, grassed areas, shrubbery, or fences; remove all excavated materials from grassed and planted areas and leave these surfaces in a condition equivalent to their original condition.

PART 2 PRODUCTS

Not Applicable.

PART 3 EXECUTION

Not Applicable.

END OF SECTION

SECTION 01039
COORDINATION AND MEETINGS

PART 1 GENERAL

1.1 COORDINATION

- A. Coordinate Work to assure efficient and orderly sequence of interdependent construction elements.
- B. Verify compatibility of equipment to be installed with public utilities.

1.2 PRECONSTRUCTION CONFERENCE

- A. Engineer will schedule a conference to discuss site construction after the Agreement has been executed.
- B. Attendance Required: Engineer and Contractor.
- C. Agenda: To be announced.

1.3 PROGRESS MEETINGS

- A. Progress meetings will be held on a weekly basis throughout the construction of the project. Contractor shall:
 - 1. Prepare a written agenda.
 - 2. Prepare and submit meeting minutes to Engineer within 3 working days of meeting.
- B. Attendance: Contractor, Engineer, and Owner at its option.
- C. Meetings will be scheduled by the Engineer.

PART 2 PRODUCTS

Not Applicable

PART 3 EXECUTION

Not Applicable

END OF SECTION

SECTION 01340
SUBMITTALS

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes procedural and administrative requirements for work-related submittals including:
 - 1. Project Schedule.
 - 2. Shop Drawings and Samples.
 - 3. Other miscellaneous submittals required by Contract Documents.
- B. Submittals shall be submitted to the Engineer prior to executing the related Work.
- C. At a minimum, the following submittals are required:
 - 1. Certificate of Insurance (with Bid)
 - 2. Construction Schedule (with Bid)
 - 3. Contract Agreement (with Bid)
 - 4. Health and Safety Plan
 - 5. SVE Blower – catalog cut sheet
 - 6. SVE Enclosure – catalog cut sheet
 - 7. Piping – catalog cut sheet
 - 8. Concrete mix – mix recipe from supplier
 - 9. Valves and instruments – catalog cut sheet

1.2 PROJECT SCHEDULE

- A. Submit a project schedule showing completion dates for major tasks.
- B. Prepare schedules in form of horizontal bar chart.

1.3 SHOP DRAWINGS

- A. Prepare and transmit each submittal sufficiently in advance of scheduled performance of Work.
- B. Shop Drawings shall contain the following:
 - 1. Date of submittal.
 - 2. Project title.
 - 3. Identification of product.
 - 4. Manufacturer and model number.
 - 5. Dimensions and clearances.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION

SECTION 02230
TRENCHING, BACKFILLING, AND COMPACTION

PART 1 GENERAL

1.1 DESCRIPTION

- A. Section includes trenching, backfilling, compaction, and grading for underground utility installation.

1.2 REFERENCES

- A. City of Milwaukee, Technical Specifications and Performance Standards

PART 2 PRODUCTS

2.1 BACKFILL MATERIAL

A. Bedding Material:

1. Shall be durable material, free of organic matter conforming to the following gradation requirements:

Sieve Size	Percent by Weight Passing
3/8 inch	100
No. 100	2-10

B. Native Soil Backfill:

1. Soil excavated from the trench that is not contaminated, and that is free of objects greater than 1 inches in diameter, frozen material, foreign materials, organics, peat, and free liquids.

C. Concrete:

1. Concrete shall meet the requirements of the City of Milwaukee Technical Specifications and Performance Standards, 02510 CONCRETE, Part 2.1 Concrete Flat Work. Concrete shall meet the requirements for walks, steps, garbage can and storage area slabs, 3500 psi.

PART 3 EXECUTION

3.1 INSPECTION

- A. Examine the areas and conditions where Work will be performed and notify the Engineer in writing of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions have been corrected.

3.2 TRENCHING

A. General:

1. Unauthorized trenching: Removal of materials beyond the elevations or dimensions indicated on the Drawings without authorization of Engineer shall be at the Contractor's expense, including backfill and compaction.

2. Excavate to the dimensions and elevations shown on the Drawings to permit proper installation of underground utilities.
 3. Grade bottom of trench so that pipes and conduits can be laid without sags or humps.
 4. Unsuitable soil: Remove clayey or silty soils encountered at required trench elevations as directed by the Engineer; replace the excavated material with bedding material.
 5. Excavated material shall either be placed back in the trench or placed in drums for disposal.
- B. Saw Cutting:
1. Saw cut and strip away concrete and asphalt surfaces prior to trenching.
- C. Do not backfill trenches until an inspection has been made and backfilling authorized by the Engineer.
- D. Perform all trenching work in accordance with OSHA requirements.

3.3 BACKFILLING

- A. General:
1. Clear trenches of trash and debris before backfilling.
 2. Backfill trenches to pre-construction grades unless indicated otherwise.
 3. Carefully place backfill material to protect conduits and pipes.
 4. Do not backfill with frozen material.
 5. If backfill settles below the adjacent ground surface, prior to 1 year following completion of Work, Contractor shall refill trenches and mechanically compact the surface. If backfill settlement damages structures, pavement, landscaping or buried utilities, Contractor shall repair damaged facilities to the satisfaction of the Owner.
- B. Backfill in Paved or Graveled Areas:
1. Backfill upper 12 inches of trenches in paved areas with crushed aggregate base course in 6-inch lifts. Mechanically compact to at least 95 percent of modified Proctor maximum dry density, as defined by ASTM D 1557.
- C. Backfill in Non-Paved Areas:
1. Backfill trenches in non-paved areas with granular backfill or native soil backfill in 12-inch lifts.

3.4 GRADING

- A. Uniformly grade areas within limits of backfilled trenches, including adjacent transition areas.

3.5 CONCRETE PAVING

- A. Place concrete in accordance with the City of Milwaukee Technical Specifications and Performance Standards, 02510 CONCRETE.

3.6 LANDSCAPE AREA RESTORATION

- A. Place landscaping cloth and mulch to match the existing landscaping.

END OF SECTION

SECTION 02615
SVE SYSTEM

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes requirements for soil vapor extraction system.

PART 2 PRODUCTS

2.1 SOIL VAPOR EXTRACTION SYSTEM BLOWER

- A. SVE blower shall be a Rotron EN101 regenerative 0.5 horsepower blower with an explosion-proof motor, or approved equal.

2.2 SOIL VAPOR EXTRACTION SYSTEM PIPE

- A. SCH 40 PVC.

2.3 GATE VALVES

- A. Gate valves shall be 2" PVC socket valves, manufactured by Spears, model 2022-020, or approved equal.

2.4 KNOCKOUT TANK

- A. Knockout tank and high liquid level switch will be provided by SCS Engineers. See drawings for photograph of knockout tank.

2.5 SVE ENCLOSURE

- A. SVE enclosure shall be a Hubbell Hot Box fiberglass flip top enclosure, model LF026070045, or approved equal

2.6 ENCLOSURE HEATER

- A. Enclosure heater shall be a hazardous location wall heater, 120 VAC, 15 amp, 1 phase heater, manufactured by Markel Products model FEP-1812-1RA, Grainger Supply Catalog item 49CT92, or approved equal. Heater shall be controlled by a hazardous location thermostat, Columbus electric model HLT-2-G, Grainger Catalog item 6GVX9.

2.7 THERMOMETER

- A. Thermometer shall be a lead free dial thermometer with a bimetal element, 2" dial, a 1.6" stem and a range of 30° – 250° F, Grainger Catalog item 20JN88, or approved equal

PART 3 EXECUTION

3.1 PIPE INSTALLATION

- A. Piping
1. Make piping connections in accordance with Manufacturer's recommended procedures.
 2. Place bedding material above and below pipe as shown on Drawings.
 3. Install pipe and fittings so the pipe drains toward the SVE wells.
 4. Do not place piping in presence of excessive moisture.
 5. Backfill in accordance with Section 02230.

3.2 SVE SYSTEM INSTALLATION

- A. Install SVE system in accordance with manufacturer's written instructions and make all electrical and piping connections.
- B. All electrical work shall comply with the latest edition of the National Electric Code (NEC) and with state and local requirements.

The system shall be explosion-proof and suitable for installation in an NEC Class I, Division 2, Group D hazardous location.

END OF SECTION

SECTION 15051
POLYVINYL CHLORIDE (PVC) PIPING

PART 1 GENERAL

1.1 REFERENCES

- A. American Society of Testing Materials (ASTM)
1. ASTM D1785 - Standard Specification for Poly Vinyl Chloride (PVC) Plastic Pipe, Schedule 40.
 2. ASTM D2464 - Standard Specification for Threaded Poly Vinyl Chloride (PVC) Plastic Pipe Fittings, Schedule 40.
 3. ASTM D2467 - Standard Specification for Socket Type Poly Vinyl Chloride (PVC) Plastic Pipe Fittings, Schedule 40.
 4. ASTM D2564 - Standard Specification for Solvent Cements for Poly Vinyl Chloride (PVC) Plastic Pipe and Fittings.

PART 2 PRODUCTS

2.1 PIPING

- A. Schedule 40 conforming to ASTM D1785.

2.2 FITTINGS

- A. Schedule 40 conforming to ASTM D2467 for socket type joints

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install pipe in accordance with manufacturer's instructions and Section 02200.

END OF SECTION

SECTION 16050
GENERAL ELECTRICAL REQUIREMENTS

PART 1 GENERAL

1.1 DESCRIPTION

- A. Connect system to electrical service in the car wash building of the gas station.
- B. Provide and control panel, SVE blower, heater and duplex receptacle.

1.2 GENERAL REQUIREMENTS

- A. To the extent possible, controls will be placed on the outside of the remediation building.
- B. Identify applicable requirements prior to submitting a bid and include the cost of any required revisions to the Specifications with the base bid.
- C. All electrical work inside the remediation building shall be suitable for a Class I, Group D, Division 2 hazardous location.
- D. All electrical components shall be UL listed.

PART 2 PRODUCTS

2.1 ELECTRICAL SERVICE

- A. Sized for the following components:
 - 1. SVE blower;
 - 2. Heater;
 - 3. 125V duplex receptacle, 20 amps; and
 - 4. Spare capacity of 30% to allow for the installation of additional equipment.

2.2 DUPLEX RECEPTACLE

- A. 125V, 20 amp duplex receptacle in a weatherproof enclosure suitable for installation on the outside of the remediation building.

2.3 ADDITIONAL ELECTRICAL SUPPLIES

- A. Provide additional electrical supplies as needed to provide a complete installation in accordance with state and local code requirements.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Perform all Work in accordance with state and local codes.

END OF SECTION

SECTION 16910 CONTROL PANEL

PART 1 GENERAL

1.1 SUMMARY

- A. This section describes the requirements and components of the control/status panel.

1.2 SUBMITTALS

- A. Submit product data including panel layout, wire diagrams, and operation and maintenance data within 21 days after award of Contract.
- B. Submit in accordance with Section 01340.

PART 2 PRODUCTS

2.1 CONTROL/STATUS PANEL

- A. Factory fabricate, install equipment, plumb, and wire in factory.
- B. Make external connections with numbered terminal blocks.
- C. Conform to ISA standards.
- D. Panel shall include an interior door for mounting status lights, switches, motor controllers, and timers. All panel wiring shall be located behind interior door. Interior door shall include locking mechanism to prevent panel opening while power is on.

2.2 CONTROL/STATUS PANEL ENCLOSURE

- A. Manufacturer's standard NEMA 4 enclosure conforming to the following:
 - 1. Minimum metal thickness: 14 gauge.
 - 2. Door: rubber-gasketed with continuous hinge.
 - 3. Provide latches for padlock.
- B. Finish:
 - 1. Remove mill scale, rust, grease, and oil. Fill imperfections and sand smooth.
 - 2. Paint exterior/interior with one coat of epoxy coating metal primer, 2 finish coats of 2-component type epoxy enamel. Color: grey exterior/ white interior.

2.3 NAMEPLATES

- A. Laminated black plastic with 3/16 inch white letters for each status light and hand-switch located in the panel with nomenclature as follows:
 - 1. SOIL VENT BLOWER (hand switch) (HOA 100)
 - 2. KNOCKOUT TANK HI-LEVEL (status light) (LSHH 100)
 - 3. SOIL VENT BLOWER ELAPSED TIME (KI 100)
 - 4. SOIL VENT BLOWER 7-DAY TIMER (KS 100)
 - 5. RESET (button)

2.4 ELAPSED TIME METER

- A. Electromechanical, panel mounted elapsed time meters to record the cumulative running time in hours.

1. Tag Nos. KI-100,

B. **Manufacturers**

1. Veeder-Root
2. Hallock
3. Approved Equal

2.5 ALARM INDICATION LIGHT

- A. Install a LED light in a blue colored fixture on the exterior of the equipment building. The alarm indication light shall be activated for all alarm conditions and deactivated upon system reset.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Contractor shall perform all work in accordance with state and local codes and in accordance with manufacturer's written instructions.

END OF SECTION



Drawings

Soil Vapor Extraction System
PSK Investments
Milwaukee, Wisconsin

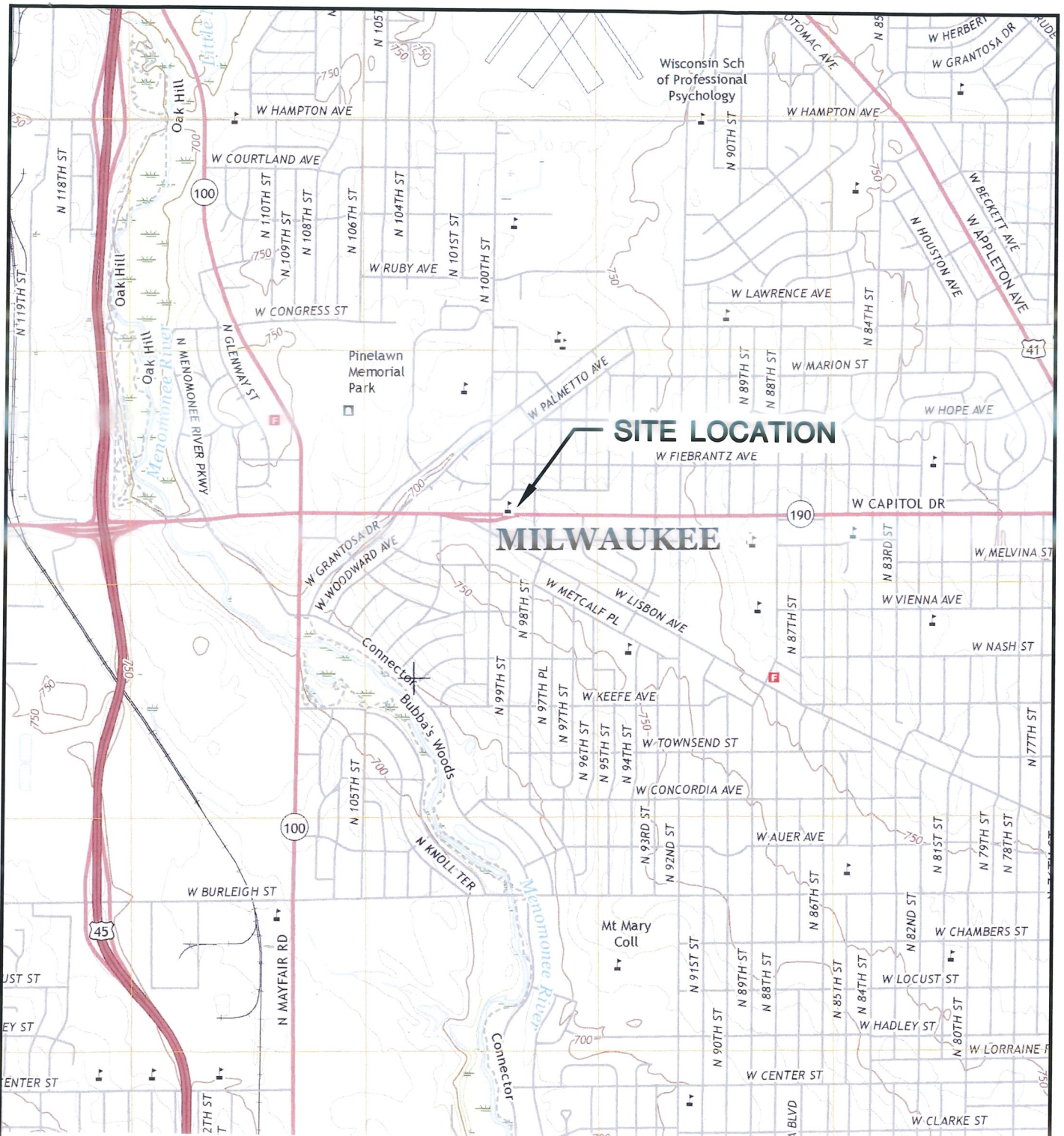
Prepared for:

PSK Investments
9922 Capitol Drive
Milwaukee, Wisconsin

SCS ENGINEERS

25216050.00 | August 2019

2830 Dairy Drive
Madison, WI 53718-6751
608-224-2830



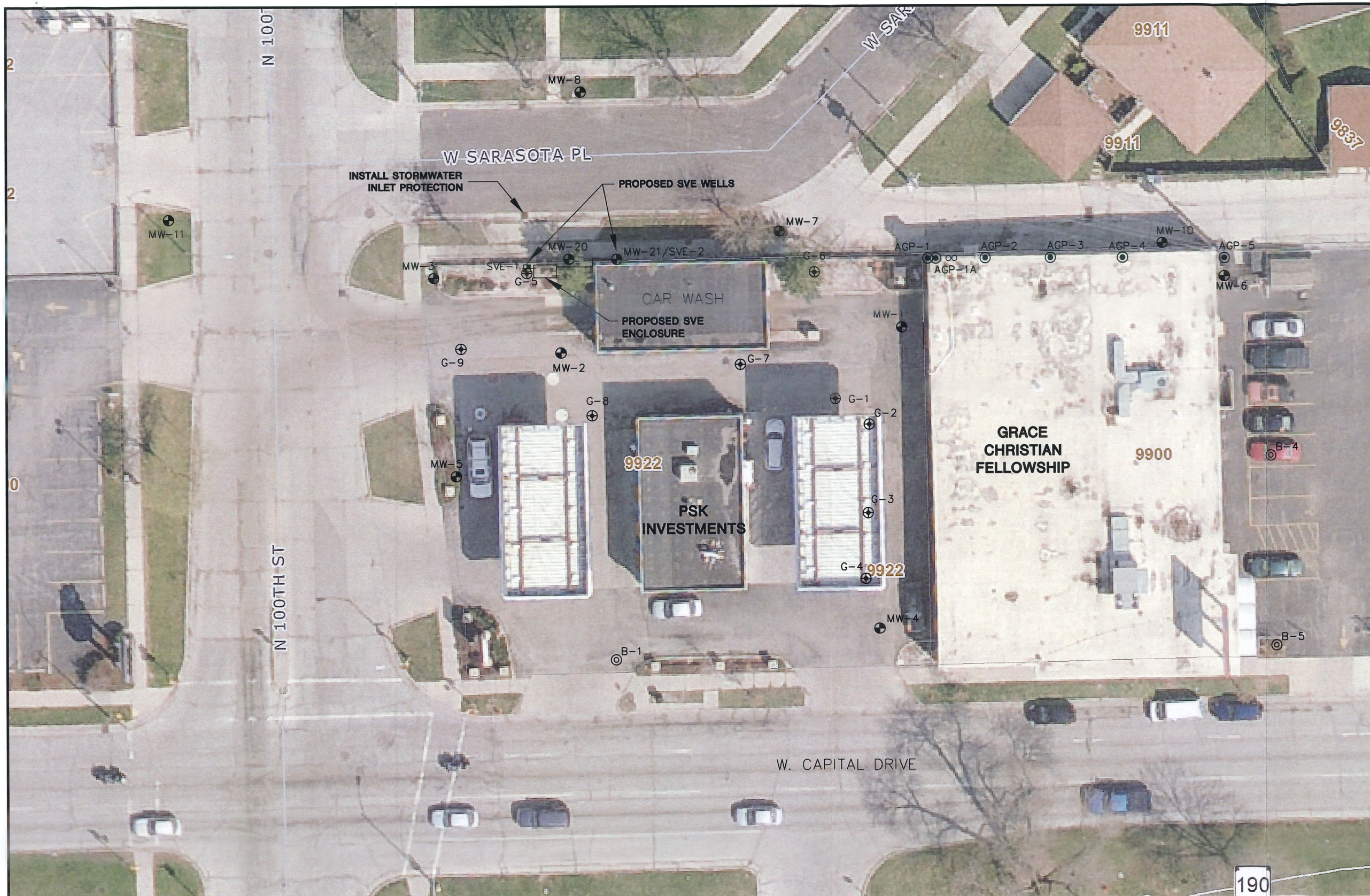
SITE LOCATION
 W FIEBRANTZ AVE
MILWAUKEE
 W CAPITOL DR



WAUWATOSA QUADRANGLE
 WISCONSIN
 7.5 MINUTE SERIES (TOPOGRAPHIC)
 2015
 SCALE: 1" = 2,000'



CLIENT	PSK INVESTMENTS, LLC		SITE	PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN		ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830		FIGURE 1
	PROJECT NO.	25216050.00		DRAWN BY:	AHB		WISCONSIN	FIGURE	
	DRAWN:	08/19/16	CHECKED BY:	KRG					
	REVISED:	08/19/16	APPROVED BY:						



LEGEND

- ⊕ MONITORING WELL LOCATION
- ⊙ SOIL BORING LOCATION (OM, 2006)
- ⊕ SOIL BORING LOCATION (OM, 2009)
- ⊙ SOIL BORING LOCATION (OM, 2010)
- ⊕ PROPOSED SOIL VAPOR EXTRACTION WELL

NOTES:

1. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGE AND BASE MAP DOWNLOADED FROM THE MILWAUKEE COUNTY LAND INFORMATION OFFICE'S INTERACTIVE MAPPING SERVICE PUBLIC VIEWER

N



SCALE: 1" = 30'

PROJECT NO.	25216050.00	DRAWN BY:	KRG
DRAWN:	04/23/13	CHECKED BY:	KRG
REVISED:	08/19/16	APPROVED BY:	

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

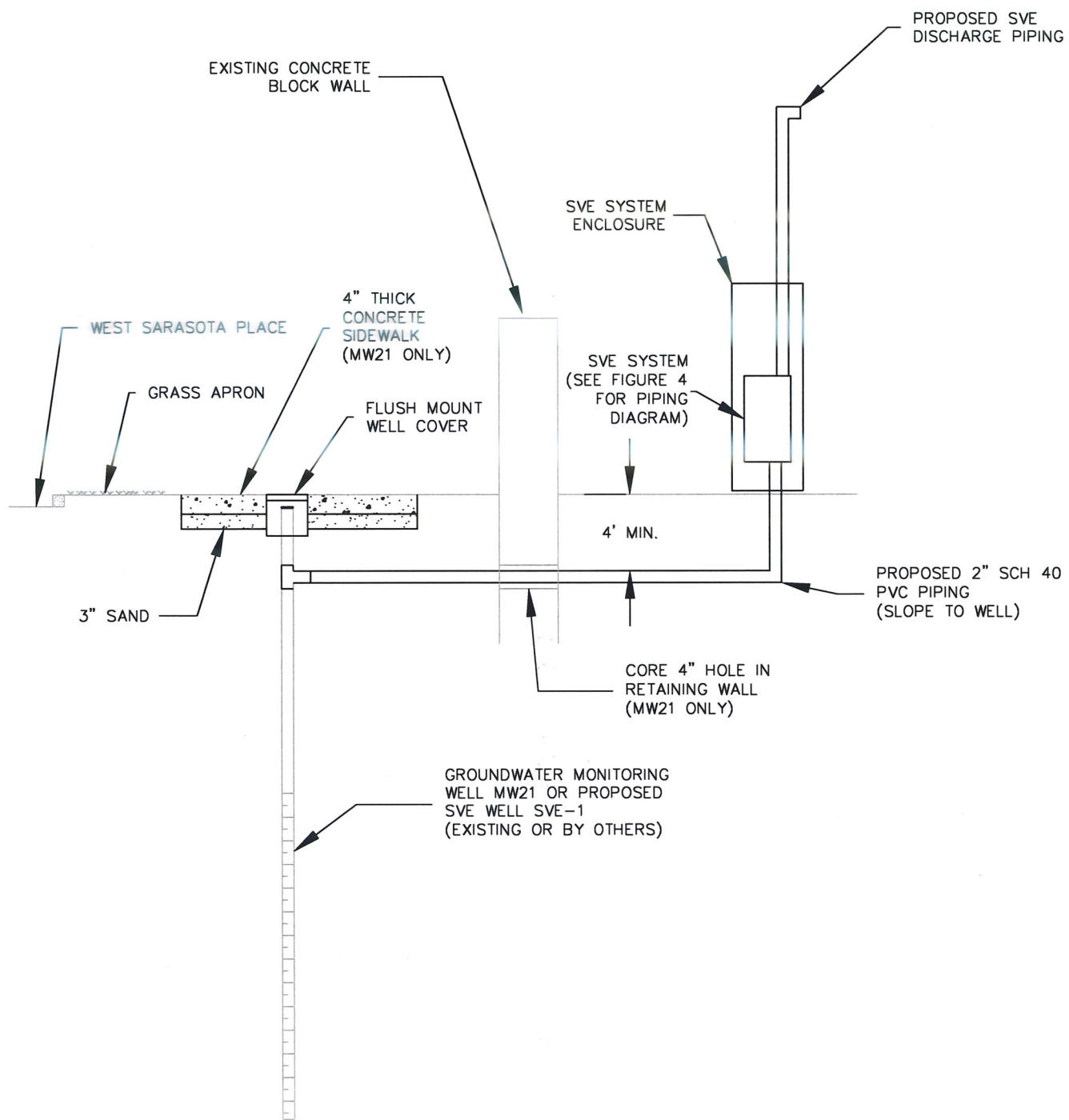
CLIENT	PSK INVESTMENTS, LLC
--------	----------------------

SITE	PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN
------	---

PROPOSED SITE PLAN

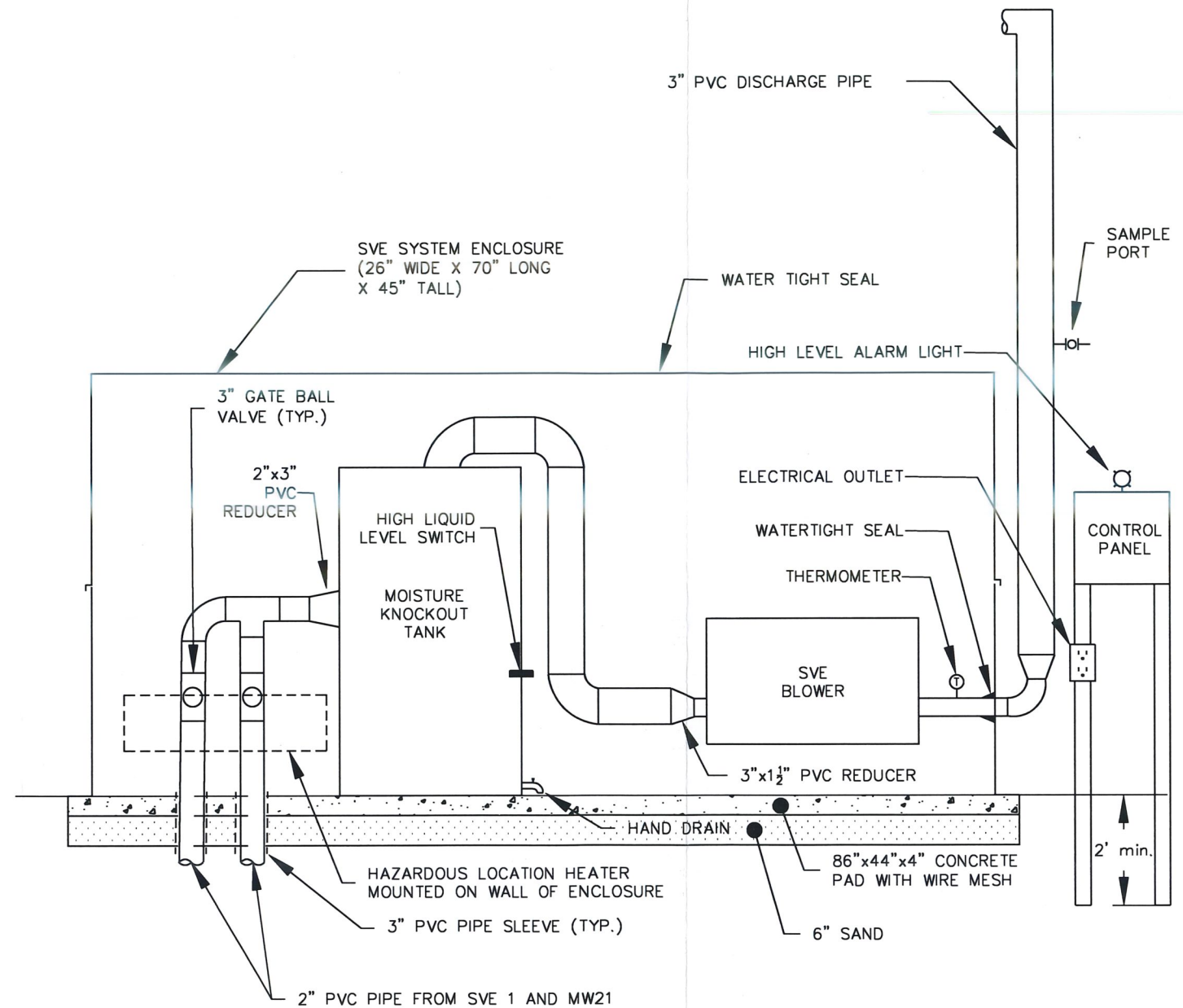
FIGURE	2
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I:\25216050.00\Drawings\SVE System\SITE LAYOUT.dwg, 8/9/2019 10:33:18 AM



PROPOSED SVE AND GROUNDWATER MONITORING WELL MW21/SVE-2 AND SVE WELL SVE-1
NOT TO SCALE

1
3

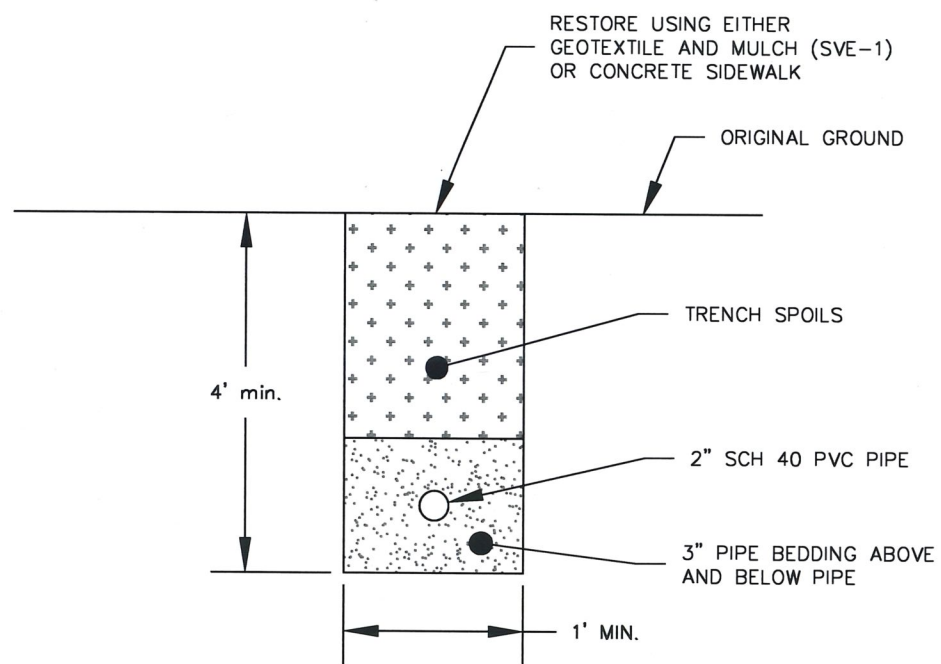


NOTES:
1. MOUNT SVE BLOWER ON STAND AT LEAST 4" ABOVE FLOOR OF ENCLOSURE.

SVE SYSTEM PIPING DIAGRAM
NOT TO SCALE

2
3

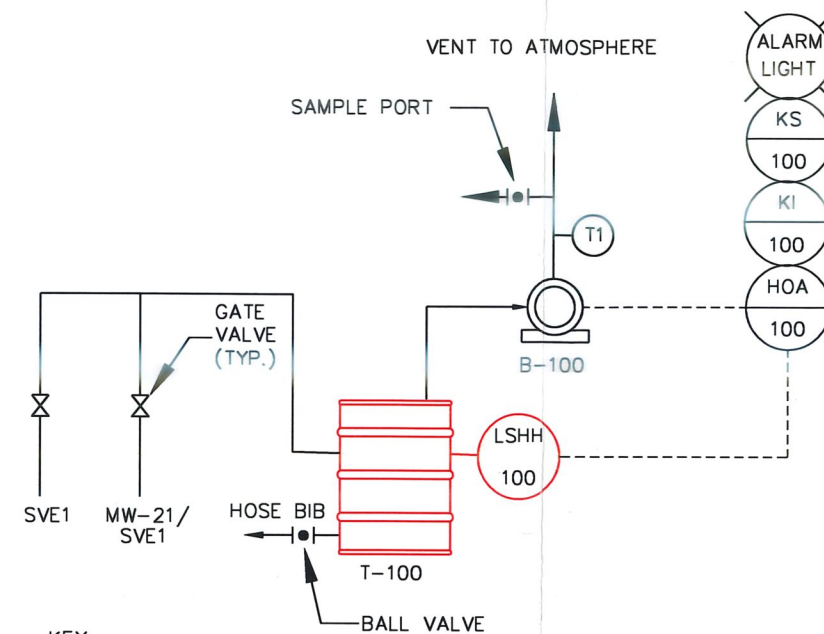
PROJECT NO. 25216050.00	DRAWN BY: KRG	<p>2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830</p>	CLIENT	PSK INVESTMENTS, LLC	<p>PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN</p>	DETAILS	FIGURE	
DRAWN: 04/23/13	CHECKED BY: KRG		SITE					
REVISED: 08/19/16	APPROVED BY:							



1
4

PIPE TRENCH DETAIL

NOT TO SCALE



KEY:

- SV1 SOIL VENT WELL
- LSHH LEVEL SWITCH HIGH HIGH
- T-100 MOISTURE SEPARATOR
- B-100 SOIL VENT BLOWER
- KI ELAPSED TIME INDICATOR
- HOA HAND-OFF-AUTO SWITCH
- KS 7-DAY TIMER
- T1 THERMOMETER
- XX FIELD MOUNTED
- XXX PANEL MOUNTED

NOTES:

1. EQUIPMENT SHOWN IN RED PROVIDED BY SCS ENGINEERS.
2. LSHH TO TURN OFF BLOWER UNTIL MANUAL RESET AND TURN ON ALARM LIGHT.

2
4

PROCESS AND INSTRUMENTATION DIAGRAM

NOT TO SCALE

PROJECT NO. 25216050.00	DRAWN BY: KRG	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	CLIENT	PSK INVESTMENTS, LLC	SITE	PSK INVESTMENTS & GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITOL DRIVE MILWAUKEE, WISCONSIN	DETAILS	FIGURE
DRAWN: 04/23/13	CHECKED BY: KRG							4
REVISED: 08/19/16	APPROVED BY:							



PHOTO OF KNOCKOUT TANK AND
HIGH LEVEL SWITCH PROVIDED BY
SCS ENGINEERS

CLIENT	PSK INVESTMENTS, LLC		SITE	PSK INVESTMENTS AND GRACE CHRISTIAN FELLOWSHIP 9922 & 9900 WEST CAPITAL DRIVE MILWAUKEE, WISCONSIN		ENGINEER	KNOCKOUT DRUM	
	PROJECT NO.	25216050.00		DRAWN BY:	KRG		<div style="background-color: #800000; color: white; padding: 2px; text-align: center;">SCS ENGINEERS</div> 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	FIGURE
DRAWN:	14/23/13	CHECKED BY:	KRG	5				
REVISED:	08/08/19	APPROVED BY:						

Attachment B
Contractor Bids

Bid Form
 Soil Vapor Extraction System
 PSK Investments

BID FORM

To: SCS Engineers
 Attention: Keith Gilkey
 2830 Dairy Drive
 Madison, WI 53718-6751

From: North Shore Environmental Construction Inc
 (Name of Bidder)

1117 W18493 Foltow Drive Germantown, WI 53022
 (Address of Bidder)

For: Soil Vapor Extraction System, PSK Investments, Milwaukee, Wisconsin

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the Owner in the form included in the Bid Package to perform all Work as specified in the Bidding Documents for the amount specified below:

Item	Unit	Quantity	Unit Price	Total
Mobilization/ Demobilization	Lump Sum	1	3,000.00	3,000.00
Erosion Control	Lump Sum	1	1,000.00	1,000.00
Location and Marking of Underground Utilities	Lump Sum	1	500.00	500.00
Underground and Aboveground Piping	Lump Sum	1	6,000.00	6,000.00
SVE System	Lump Sum	1	19,675.00	19,675.00
Electrical Connection	Lump Sum	1	2,750.00	2,750.00
Soil Disposal (1)	Drums	10	200.00	2,000.00
Restoration	Lump Sum	1	13,750.00	13,750.00
Total Bid Price				48,675.00

Total Bid Price (Written): Forty Eight Thousand Six hundred Seventy Five and 00/100

- (1) Soil disposal shall consist of landfill disposal of drums of soil generated during trenching activities, drilling of well SVE-1 (by others), and two drums of soil already on-site. SCS Engineers will assist with permitting for disposal.
2. Bidder accepts all of the terms and conditions of the Bidding Documents. This Bid shall remain subject to acceptance for 30 days following the Bid opening. If selected for the project, the Bidder will sign and submit the Agreement within 5 days after receipt of the Notice of Award.

3. In submitting this Bid, Bidder represents that:

- (a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of which is hereby acknowledged):

Date: _____ Number: _____

- (b) Bidder has reviewed the Specifications and Drawings with respect to state and local codes and other regulations, has identified any required changes to the Specifications and Drawings, and has included the cost of these revisions in the base Bid. Bidder has attached a written list to this Bid Form identifying the required changes.


4. Estimated number of working days to complete project: 15

5. Bidder shall submit a sample Agreement between Owner and Bidder with the Bid for review and approval.

Company Name of Bidder: North Shore Environmental Construction, Inc

Bidder is (check one): Individual () Partnership ()
Corporation (X) Limited Liability Company ()

State of Incorporation or Registration: Wisconsin

 8-30-2019
Signature and Date

David Johnson VP of operations
Name, Title

I:\25216050.00\Deliverables\SVE Bid Package\Bid Package_PSK Investments.docx

BID FORM

To: SCS Engineers
 Attention: Keith Gilkey
 2830 Dairy Drive
 Madison, WI 53718-6751

From: DAKOTA INTERTEK CORP
 (Name of Bidder)
16600 W. NATIONAL AVE., NEW BERLIN, WI
 (Address of Bidder) 53148

For: Soil Vapor Extraction System, PSK Investments, Milwaukee, Wisconsin

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the Owner in the form included in the Bid Package to perform all Work as specified in the Bidding Documents for the amount specified below:

Item	Unit	Quantity	Unit Price	Total
Mobilization/ Demobilization	Lump Sum	1	5,000.00	5,000.00
Erosion Control	Lump Sum	1	1,200.00	1,200.00
Location and Marking of Underground Utilities	Lump Sum	1	500.00	500.00
Underground and Aboveground Piping	Lump Sum	1	5,000.00	5,000.00
SVE System	Lump Sum	1	35,000.00	35,000.00
Electrical Connection	Lump Sum	1	3,000.00	3,000.00
Soil Disposal (1)	Drums	10	120.00	1,200.00
Restoration	Lump Sum	1	1,500.00	1,500.00
Total Bid Price				\$52,400.00

Total Bid Price (Written): FIFTY-TWO THOUSAND, FOUR HUNDRED DOLLARY

- (1) Soil disposal shall consist of landfill disposal of drums of soil generated during trenching activities, drilling of well SVE-1 (by others), and two drums of soil already on-site. SCS Engineers will assist with permitting for disposal.
2. Bidder accepts all of the terms and conditions of the Bidding Documents. This Bid shall remain subject to acceptance for 30 days following the Bid opening. If selected for the project, the Bidder will sign and submit the Agreement within 5 days after receipt of the Notice of Award.

3. In submitting this Bid, Bidder represents that:

(a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of which is hereby acknowledged):

Date: _____ Number: _____

(b) Bidder has reviewed the Specifications and Drawings with respect to state and local codes and other regulations, has identified any required changes to the Specifications and Drawings, and has included the cost of these revisions in the base Bid. Bidder has attached a written list to this Bid Form identifying the required changes.

4. Estimated number of working days to complete project: 60

5. Bidder shall submit a sample Agreement between Owner and Bidder with the Bid for review and approval.

Company Name of Bidder: DAKOTA INTERTEK CORP.

Bidder is (check one): Individual () Partnership ()
Corporation (X) Limited Liability Company ()

State of Incorporation or Registration: WISCONSIN

Don Callen 08/31/2019
Signature and Date

Don Callen, Jr. VP
Name, Title

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Bid Form
 Soil Vapor Extraction System
 PSK Investments

BID FORM

To: SCS Engineers
 Attention: Keith Gilkey
 2830 Dairy Drive
 Madison, WI 53718-6751

From: Reconey Inc.
 (Name of Bidder)

714 1/2 Oak St. Wisconsin Dells, WI
 (Address of Bidder)

For: Soil Vapor Extraction System, PSK Investments, Milwaukee, Wisconsin

- The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the Owner in the form included in the Bid Package to perform all Work as specified in the Bidding Documents for the amount specified below:

Item	Unit	Quantity	Unit Price	Total
Mobilization/ Demobilization	Lump Sum	1	6350.00	6350.00
Erosion Control	Lump Sum	1	500.00	500.00
Location and Marking of Underground Utilities	Lump Sum	1	1200.00	1200.00
Underground and Aboveground Piping	Lump Sum	1	17,325.00	17,325.00
SVE System	Lump Sum	1	25,563.00	25,563.00
Electrical Connection	Lump Sum	1	8300.00	8300.00
Soil Disposal (1)	Drums	10	350.00	3500.00
Restoration	Lump Sum	1	2500.00	2500.00
Total Bid Price				65,238.00

Total Bid Price (Written): sixty five thousand two hundred thirty eight U.S. Dollars

- Soil disposal shall consist of landfill disposal of drums of soil generated during trenching activities, drilling of well SVE-1 (by others), and two drums of soil already on-site. SCS Engineers will assist with permitting for disposal.
- Bidder accepts all of the terms and conditions of the Bidding Documents. This Bid shall remain subject to acceptance for 30 days following the Bid opening. If selected for the project, the Bidder will sign and submit the Agreement within 5 days after receipt of the Notice of Award.

3. In submitting this Bid, Bidder represents that:

- (a) Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of which is hereby acknowledged):

Date: N/A Number:

- (b) Bidder has reviewed the Specifications and Drawings with respect to state and local codes and other regulations, has identified any required changes to the Specifications and Drawings, and has included the cost of these revisions in the base Bid. Bidder has attached a written list to this Bid Form identifying the required changes.


4. Estimated number of working days to complete project: 10

5. Bidder shall submit a sample Agreement between Owner and Bidder with the Bid for review and approval. *Available upon potential award!*

Company Name of Bidder: Recoex Inc.

Bidder is (check one): Individual () Partnership ()
Corporation (X) Limited Liability Company ()

State of Incorporation or Registration: Wisconsin

 8-30-19
Signature and Date

David Lottthouse / President
Name, Title

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