

Preferred Drilling Solutions, Inc. Safety • Quality • Service

INTRODUCTION TO PDS



Preferred Drilling Solutions, Inc. (PDS) was incorporated in 2001 and currently operates out of five locations throughout Florida. Our reputation has helped us attract some of the best drilling crews in the industry. We currently operate nineteen (19) drilling crews consisting of sonic, direct push, and hollow stem auger drilling rigs. We also operate two full-time construction crews, performing remedial system installations, decommissioning, soil source removals, and supporting our in-situ injection programs.

Safety is paramount at PDS. All of our crews are OSHA trained, and many have undergone additional customer and industry-specific safety training (MSHA, Railroad, Petroleum Bulk Terminal). Our safety focus has enabled us to consistently keep our average EMR well below 1.0 (10 year average is below 0.90).

We have extensive experience with prime contractors who conduct environmental assessment and remediation projects for the Florida Department of Environmental Protection (FDEP), and with private property owners/developers. We have worked at retail petroleum facilities, commercial and residential properties, military bases, railroad rights-of-way, active and former phosphate mines, airports, airports, heavy industrial facilities, and landfills throughout the Southeastern United States. With our multiple Florida locations,

we can effectively reach Georgia, Alabama, Mississippi, Louisiana, and South Carolina.

PDS and its employees maintain a variety of licenses for the work we perform including:

- Florida Water Well Contractor
- Florida Pollutant Storage Systems Specialty Contractor (PSSC)
- Florida Certified Building Contractor
- South Carolina Well Driller
- Mississippi Well Driller
- Georgia Water Well Contractor
- Alabama Water Well Driller
- Louisiana driller

Drilling

Remediation

- Florida Professional Geologist
- Georgia Professional Geologist
- North Carolina Professional Geologist

To obtain a quote or discuss your project needs, please contact:

Chad Campbell

Director of Business Development

chad@pdsflorida.com

727-561-7477 ext 103

Or

Jon Berntsen, PG, CBC Director of Operations jon@pdsflorida.com

813-546-0881

8820 66th Street North • Pinellas Park, FL 33782

Toll Free: 1-866-235-6753 • Phone: 727-561-7477 • Fax: 727-561-9028 Branch Offices: Lakeland, Live Oak, Bonifay and Milton, FL www.pdsflorida.com



DPT AND HOLLOW STEM AUGER DRILLING SERVICES





Preferred Drilling Solutions, Inc. (PDS) has been drilling with hollow stem auger and direct push technologies in Florida for more than 20 years. Our rigs can provide high torque drilling capabilities with a small footprint in deep and difficult lithologies. Our fleet of twelve Geoprobe track mounted rigs range in size from a 6612 unit for direct push sampling to a 3230 unit capable of deep double cased wells and mud rotary drilling. The workhorse of our fleet is the Geoprobe 7822, which we have ready to deploy from all five of our branch locations.

PDS has extensive experience drilling at PFAS sites including local and state government properties, military bases, airports, manufacturing facilities, and fire training sites.

Our DPT rigs are capable of the following services:

- PFAS Sampling
- Continuous and discrete interval soil and groundwater sampling.
- Installation of 1" and 2" pre-packed microwells.
- Installation of 2" and 4" wells via hollow stem auger attachments.
- Installation of double cased wells with the Geoprobe 8040 and 3230 units.
- Direct injection of media for in-situ treatment.
- Air sparging and soil vapor extraction well installation.

- Concrete coring
- Split spoon sampling (7822 rigs)
- Dewatering wellpoint installation

PDS' crews have worked at sites with a wide variety of contamination including:

- Petroleum (retail, fleet, and bulk facilities)
- Chlorinated solvents
- PCBs
- Pesticides
- Metals
- Ammonia

Why Choose PDS?

PDS has been in business for over 24 years, providing high quality drilling services with a core focus on safety. We operate from five locations throughout Florida which allows us to be responsive and provide local service. Our drillers are also familiar with drilling conditions throughout Florida and will bring that experience to your project site. All of our staff have been OSHA trained, and select crews have completed railroad safety training, bulk terminal training, and MSHA training.

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Director of Business Development
chad@pdsflorida.com or bids@pdsforida.com
727-561-7477 ext 103

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SONIC DRILLING SERVICES



As a member of your project team, Preferred Drilling Solutions, Inc. (PDS) can provide the equipment and services to rapidly assess subsurface conditions in any type of lithology. By utilizing one of our seven (7) state-of-the-art sonic drilling rigs, we can rapidly collect high quality samples, reach deeper depths than conventional auger techniques, and generate less waste.

Our fleet consists of four Terrasonic TSI-150 track mounted rigs, one Geoprobe 8140LC low clearance rig, and two Geoprobe 8150LS track mounted rigs. We have units located in central and north Florida to service the entire Southeastern United States.

Sonic drilling technology is ideal for both shallow and deep sampling projects where undisturbed core samples are desired. For deeper well applications, multi-cased wells can be installed without the need for permanent surface casing or mud-rotary drill out. Additionally, the continuous casing used prevents down-hole contamination.

Sonic drilling can be used for a wide variety of environmental applications including:

- monitoring well installation;
- discrete interval groundwater sampling;
- direct chemical injection; and,
- remedial point installation including treatment wells and thermal electrodes.

In addition to environmental applications, our crews have completed projects related to the following:

- Geothermal loop installation.
- Geotechnical exploration.
- Mining and mineral exploration.
- Water resource exploration.
- Irrigation well installation.
- Dewatering point installation.

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727-561-7477 ext 103

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REMEDIATION SERVICES



Preferred Drilling Solutions, Inc. (PDS) is well known in the industry for providing top quality environmental drilling throughout Florida. What you may not know is that we also provide a full range of environmental construction services. PDS owns a wide selection of equipment including excavators, front end loaders, and skid steers, which enables us to be flexible and responsive to project needs. With two crews based in Pinellas Park and Lakeland, Florida, our centrally located team can be dispatched state-wide.

Our crews have successfully completed a variety of projects including the following:

- Soil source removal and off-site disposal with dewatering and treatment.
- Soil excavation and on-site management.
- Underground Storage Tank (UST) removal and closure.
- Air sparge/soil vapor extraction/multi-phase extraction system installation.
- Bioaugmentation system installation.
- Site demolition and system decommissioning.
- Landfill excavation, sorting, and material re-

In addition to environmental projects, our crews have completed projects related to the following:

- Lined retention pond construction.
- Underground stormwater system installation including reinforced concrete piping systems up to 60-inches in diameter.
- Building pad preparation.
- Site clearing and subgrade preparation.

PDS is licensed in the State of Florida as a Certified Building Contractor and Pollutant Storage System Specialty Contractor.

Why Choose PDS?

PDS has been in business for over 24 years, providing high quality drilling and construction services with a core focus on safety. Our staff is familiar with site conditions throughout Florida and will bring that experience to your project site. All of our construction staff have been OSHA trained.

To obtain a quote or discuss your project needs, please contact:

Jon Berntsen, PG, CBC Director of Construction jon@pdsflorida.com 813-546-0881



SOFT DIG CAPABILITIES



Equipment Highlights

- ➤ Ring-O-Matic 550 Jet Vac
- > 550 Gallon Capacity Holding Tank (~2.5 cubic yards)
- ➤ 600 CFM Rotary Lobe Positive Displacement Blower
- > Integral Water Tanks
- > 3,500 PSI / 6 GPM High Pressure Water Jet System
- Hydraulic Tilt Body with Rear Dump

Services

- Positive Underground Infrastructure Locating
- Soft Dig around critical infrastructure.
- Pre-clearing boreholes prior to drilling.
- Contaminated soil source removal around petroleum storage and dispensing equipment.
- Drain and Sump Cleaning

In an effort to reduce the potential for utility damage and injury at high risk and sensitive locations, PDS has placed a soft dig vacuum excavation trailer into service within our fleet. Centrally based out of our Lakeland, Florida location, we can mobilize this unit to pre-clear boreholes near high risk infrastructure, or positively identify the location of identified underground utilities following a one-call markout or GPR survey. The unit can also be used for contaminated soil source removal adjacent to and surrounding petroleum storage and dispensing equipment, and in locations where conventional excavation equipment may not be able to access.

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jon@pdsflorida.com

813-546-0881

Chad Campbell

or Director of Business Development

<u>chad@pdsflorida.com</u> 727-561-7477 x 103

8820 66th Street North • Pinellas Park, FL 33782

TAB 1 HEALTH AND SAFETY





HEALTH AND SAFETY PROGRAM MANAGEMENT STATEMENT

Preferred Drilling Solutions, Inc., (PDS) is committed to providing employees with the safest work environment possible. We will always strive to support policies and procedures that ensure that each employee of PDS returns home each day in the same physical condition as when he/she reported to work. We will also make every effort to evaluate and adopt policies and procedures that provide the highest certainty that the performance of our services will not cause any harm to any other person, property or the environment. Accordingly, we take great care in making certain that each employee of PDS understands the importance of Health & Safety as a core component of their daily work regimen. This is a concerted effort between PDS' Management and its employees with the ultimate goal of achieving exceptional Health & Safety performance.

Our Health & Safety program is a continuous effort and is constantly monitored for potential areas needing improvement. We take great pride in our health & safety program and hold it paramount to the overall success and sustainability of our company. Our average EMR for the past 10 years averages below 0.90.

Our Health & Safety Policy Manual is available upon request and demonstrates our commitment to a Safety Culture. This Policy Manual is comprised of several important reference and supporting documents. Our Health & Safety Policy Manual, along with site specific Health & Safety Plan (HASP) documents are intended to guide employees through our dynamic safety culture.

It is important to understand that no one document should be utilized by itself, and a thorough understanding of all documents is expected of all PDS employees.

Should there be any questions about our safety and health program, please feel free to contact our office.

Sincerely,

Preferred Drilling Solutions, Inc.

Jon Berntsen, PG, CBC

Director of Operations and Construction

TAB 2 INSURANCE





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 3/13/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:				
Marsh & McLennan Agency 101 N Starcrest Dr	PHONE (A/C, No, Ext): 727-447-6481 FAX (A/C, No): 727-445	9-1267			
Clearwater FL 33765	E-MAIL ADDRESS: MMABouchard.certificates@MarshMMA.com				
	INSURER(S) AFFORDING COVERAGE	NAIC#			
	INSURER A: Century Surety Company	36951			
INSURED PREFEDRILL	INSURER B: Zurich American Insurance Company	16535			
Preferred Drilling Solutions, Inc. 8820 66th St North	INSURER C: Markel American Insurance Company	28932			
Pinellas Park FL 33782	INSURER D:				
	INSURER E:				
	INSURER F:				

COVERAGES CERTIFICATE NUMBER: 485493473 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR		TYPE OF INSURANCE		SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)		
Α	Х	COMMERCIAL GENERAL LIABILITY	Υ	Υ	CCP1289408	3/15/2025	3/15/2026	EACH OCCURRENCE	\$1,000,000
		CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 500,000
	Х	5,000						MED EXP (Any one person)	\$ 10,000
								PERSONAL & ADV INJURY	\$ 1,000,000
	GEN	I'L AGGRE <u>GAT</u> E LIMIT AP <u>PLIE</u> S PER:						GENERAL AGGREGATE	\$2,000,000
		POLICY X PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$2,000,000
		OTHER:							\$
В	AUT	OMOBILE LIABILITY	Υ	Υ	37599970	3/15/2025	1/1/2026	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
	Х	ANY AUTO						BODILY INJURY (Per person)	\$
		OWNED SCHEDULED AUTOS ONLY						BODILY INJURY (Per accident)	\$
	Х	HIRED X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$
								PIP	\$10,000
Α		UMBRELLA LIAB X OCCUR			CCP1289409	3/15/2025	3/15/2026	EACH OCCURRENCE	\$4,000,000
	Х	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$4,000,000
		DED RETENTION\$							\$
В		KERS COMPENSATION EMPLOYERS' LIABILITY		Υ	375999600	3/15/2025	1/1/2026	X PER OTH- STATUTE ER	
	ANYF	PROPRIETOR/PARTNER/EXECUTIVE N	N/A					E.L. EACH ACCIDENT	\$ 1,000,000
	(Man	idatory in NH)	14,7					E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
	If yes	s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
C A	Profe	sed/Rented essional Liability ution Liability	Y		MKLM2IM0003039 CCP1289408	3/15/2025 3/15/2025	3/15/2026 3/15/2026	250,000 1,000,000 1,000,000	

DESCRIPTION OF OPERATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

If required by written contract, Certificate Holder is an additional insured with respect to General Liability, Automobile Liability, Professional Liability and Pollutions Liability and subject to the terms, conditions and exclusions of the policies. Additional insured with respect to General Liability includes ongoing and completed operations.

Coverage is primary and non-contributory with respect to General Liability, Automobile Liability, Professional Liability and Pollution Liability.

When required by written contract, waiver of subrogation applies in favor of Certificate Holder with respect to General Liability, Auto Liability, and Workers Compensation, subject to the terms, conditions and exclusions of the policy.

CERTIFICATE HOLDER	CANCELLATION
Preferred Drilling Solutions Inc.	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
8820 66th Street N Pinellas Park FL 33782	Joel Lorge

ACENCY	CUSTOMER ID	· PREFEDRII I
AGENCY	COSTOMER ID	: FREFEDRILL

LOC #:

ACORD	

ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

ADDITIONAL	- 1/FIAI	INNO SCIILDOLL	. ugo	<u> </u>
AGENCY Marsh & McLennan Agency		NAMED INSURED Preferred Drilling Solutions, Inc. 8820 66th St North		
POLICY NUMBER		Pinellas Park FL 33782		
CARRIER	NAIC CODE			
		EFFECTIVE DATE:		
ADDITIONAL REMARKS				
THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACO	,			
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF	: LIABILITY IN	NSURANCE		

	EFFECTIVE DATE:					
ADDITIONAL REMARKS						
THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,						
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE						
Excess Liability follows form of General Liability, Automobile Liability and Employ	yers Liability.					

TAB 3
EQUIPMENT LISTING





PDS Drill Rig Capabilities Matrix

1 Do Ditte in 6 outpublication in the interior								
	Geoprobe/DPT					Sonic		
Task/Item/Capability								
	Geoprobe 3230	Geoprobe 6620	Geoprobe 6712	Geoprobe 7822	Geoprobe 8040	TerraSonic TSI-150CC	Geoprobe 8150LS	Geoprobe 8140LC
Direct Push	•	•	•	•	•			
Sonic						•	•	•
Rotary/Auger	•	•	•	•	•			
Mud	•			•	•			
Air	•							
Rock Coring	•			•	•	•	•	•
SPT Hammer	•			•	•			
Angled Drilling/Boring	•	•	•	•	•	•	•	•
Drill Depth						800 ft		
Double Cased Wells	•			•	•	•	•	•
			Rig	Specifications				
Weight	20,500 lbs	6,900 lbs	6,250 lb	9,560 lb	17,500 lb	22,400 lbs	22,900 lb	19,350 lb
Length	200 inches	96 inches (folded)	116 inches (folded)	170 inches	190 inches	231 inches	270 inches	185 inches
Width	83 inches	60 inches	52 inches	70 inches	80 inches	95.5 inches	85 inches	80 inches
Height	286 inches	153 inches	154 inches	187 inches	232 inches	242.5 inches	298 inches	192 inches
Torque	6,000 ft-lb	3,000 ft-lb	2,500 ft-lb	4,000 ft-lb	6,000 ft-lb	4,677 ft-lb	4,000 ft-lb	4,000 ft-lb
Push Force	50,000 lb	35,000 lb	36,800 lb	36,000 lb	59,000 lb	11,300 lb		
Pull Force	80,000 lb	47,000 lb	49,000 lb	48,000 lb	80,000 lb	16,800 lb	20,000 lb	20,000 lb
Horsepower	114 hp	54 hp	44.2 hp	58 hp	120 hp	225 hp	142 hp	142 hp

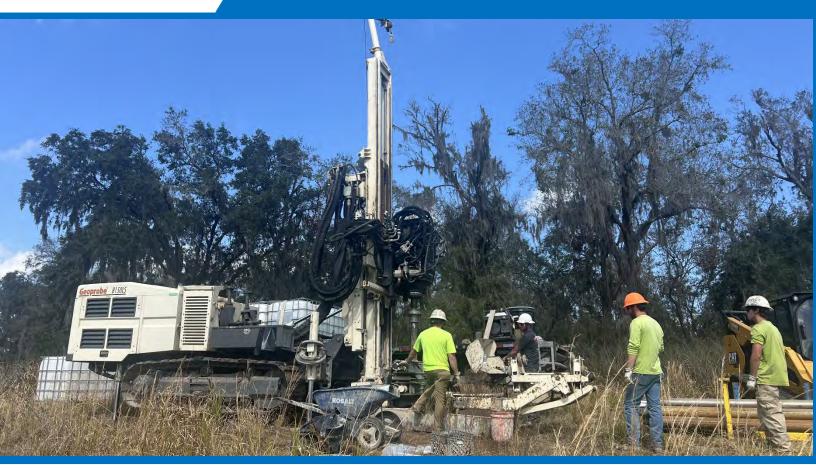
TAB 4

REPRESENTATIVE PROJECT EXPERIENCE





SOIL BORINGS / WATER SAMPLING WEST-CENTRAL, FLORIDA



Project Highlights

- Advancement of 24 borings to between 80 and 115 feet below land surface.
- Installation of a packer assembly and 15 feet of well screen.
- Well development and sampling.
 on-site IDW management.

Client

Consultant for Private Property Owner

Cost

> \$133,000

Completion Date

February and April 2025

Preferred Drilling Solutions, Inc. (PDS) was contracted by an environmental engineering firm working for a private property owner and completed a series of deep soil borings with groundwater sampling at a former phosphate mine in west-central Florida. The facility was once used as a sludge pond and landfill site for municipal water treatment sludge and solids; part of which is designated on the USEPA National Priority List.

Using a Geoprobe 8150LS, soil borings were advanced to between 80 and 115 below land surface. Following boring completion, a 15-foot section of well screen was attached to a packer assembly and installed into the bottom of the borehole. The well screen was developed by pumping until the water was free of sediment and turbidity.

All recovered drilling mud and groundwater were transported to a centrally located Investigation Derived Waste (IDW) management area for proper containerization and subsequent disposal. Each borehole was tremie grouted as tooling was extracted, and all down hole equipment was stem cleaned at a designated decontamination pad between borehole locations.

The work was completed over two 5-day mobilizations.



SPARGE WELL INSTALLATION WINTER HAVEN, FLORIDA



Project Highlights

- ➤ Installation of four (4) 1-inch air sparge wells.
- ➤ Three vertical wells to 35 feet
- ➤ One well at 25° angle to 37 feet
- Site contaminated with petroleum.

Client

- Consultant
- > FDEP PRP

Cost

> \$9,150

Completion Date

May 2025

Preferred Drilling Solutions, Inc. (PDS) was contracted by a consultant working under the State of Florida Petroleum Restoration Program to install four air sparge wells as part of a remediation system expansion. The wells were installed utilizing sonic drilling techniques using a Terrasonic TSI-150CC compact crawler mounted rig. The crew, based out of Lakeland, Florida, completed the scope of work in less than two days.

The wells were installed by advancing 6-inch outer casing to depth, clearing out the borehole with a 4-inch diameter inner casing, and installing the well screen, sand pack, and grout seal to grade.





SOIL SOURCE REMOVAL OCALA, FLORIDA



Project Highlights

- > GPR Utility Locate
- Excavation of 1,860 tons of contaminated soil.
- Sloping/benching of excavation.
- Installation and operation of dewatering and treatment system.
- Backfill and compaction of excavation.
- Density Testing of emplaced backfill.

Client

FDEP Petroleum Restoration Program Contractor

Cost

\$208,000

Completion Date

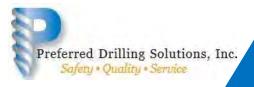
November 2024

Preferred Drilling Solutions, Inc. (PDS) was contracted by an environmental consulting firm working under the Florida Department of Environmental Protection (FDEP) Petroleum Restoration Program (PRP) to perform a contaminated soil source removal program at a cattle farm in Ocala, Florida. The property was contaminated by a former petroleum underground storage tanks associated with a former maintenance building on the property.

Before mobilizing to the site to commence construction activities, PDS performed a pre-construction meeting that also included a ground penetrating radar (GPR) survey and the collection of backfill samples for modified proctor geotechnical analysis.

The source removal program included the excavation and off-site disposal of 1,860 tons of soil to depths of 20 feet below land surface, the excavation of an additional 1,750 cubic yards of clean soil necessary to slope the excavation sidewalls, placement and compaction of the clean soil and an additional 1,595 cubic yards of imported fill material to a minimum of 95% of modified proctor density, and operation and maintenance of a dewatering and treatment system.

The project was completed in ten (10) days on site and within the proposed budget.



WATER SUPPLY INVESTIGATION HIGHLANDS COUNTY, FLORIDA



Project Highlights

- Installation of 4-inch monitoring well.
- ➤ Installation of 8-inch stainless steel production well.
- Completion of step rate pumping test.
- Completion of 96hour constant rate pumping test.

Client

Confidential

Cost

> \$90,000

Completion Date

Summer 2025

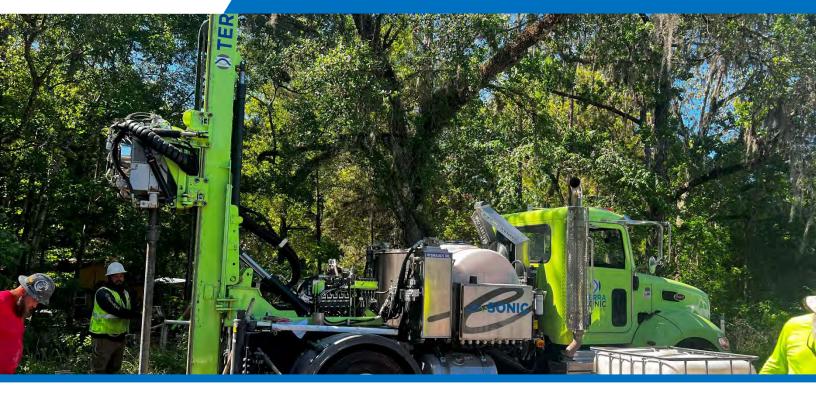
Preferred Drilling Solutions, Inc. (PDS) was contracted by a private property owner to install a monitoring well and test production well to determine the viability of a property as a commercial spring water source. The monitoring well is a 4-inch diameter PVC Vee Wire wrapped screen and the production well is an 8-inch stainless steel Vee Wire screen. The wells were installed utilizing sonic drilling techniques using a Terrasonic TSI-150CC compact crawler mounted rig to a depth of 75 feet below land surface. The crew, based out of Lakeland, Florida, completed the scope of work by driving 8-inch and 12-inch diameter casing to facilitate installation. Prior to installing the wells, soil cores were collected continuously to 110 feet.

Following installation, the wells were developed via pumping, surge block, and air lift. Yield tests were completed consisting of a step rate pumping test and a 96-hour constant rate pumping test.





MONITOR WELL INSTALLATION BROOKSVILLE, FLORIDA



Project Highlights

- Advancement of thirteen (13) soil borings to depths ranging from 8 to 55 feet.
- Installation of three monitoring wells to 65 feet.
- Site contaminated with petroleum.

Client

- Consultant
- > FDEP PRP

Cost

> \$41,000

Completion Date

➤ April 2025

Preferred Drilling Solutions, Inc. (PDS) was contracted by a consultant working under the State of Florida Petroleum Restoration Program to install soil borings and monitoring wells as part of a site investigation scope of work. Three 2-inch monitoring wells were installed to 65 feet below land surface and completed with 25 feet of well screen. The wells were installed utilizing sonic drilling techniques using a Terrasonic TSI-150 truck mounted rig. The crew, based out of Lakeland, Florida, completed the scope of work in five days on site.

The wells were installed by advancing a 4-inch inner casing to depth and advancing a 6-inch overdrive casing to install the well screen, sand pack, and grout seal to grade.

Sonic drilling was chosen at this site due to several factors including site lithology, daily production rates, and the reduced waste generated using this technology.





COLLOIDAL CARBON INJECTION PLANT CITY, FLORIDA



Project Highlights

- Completion of Pre-Injection soil borings.
- > Advancement of 172 injection points.
- Injection of over 48,000 gallons of PetroFix and Electron Acceptor blend.

Client

 FDEP Petroleum Restoration Program Contractor

Cost

> \$55,000 (drilling only)

Completion Date

➤ July-August 2024

Preferred Drilling Solutions, Inc. (PDS), contracted by an environmental consulting firm working under the State of Florida Petroleum Restoration Program, completed an in-situ injection program designed to immobilize and remediate a dissolved petroleum contaminant plume at an active retail gasoline station. PDS provided drilling equipment and labor while the injection services were performed by the chemical provider.

Over a four week period, PDS completed 172 injection points to a depth of 12 feet below land surface, assisted with the injection of over 48,000 gallons of material, and backfilled/restored each borehole location.

Before mobilizing to the site to commence construction activities, PDS performed a pre-construction meeting that also included a ground penetrating radar (GPR) survey and the collection of baseline soil and groundwater samples for the client.



LSSI SOURCE REMOVAL TAMPA, FLORIDA



Project Highlights

- **➢** GPR Utility Locate
- > Excavation of 78 tons of contaminated soil.
- Backfill and compaction of excavation.
- Density Testing of emplaced backfill.
- Site restoration via asphalt paving.

Client

FDEP Petroleum Restoration Program Contractor

Cost

> \$21,405

Completion Date

August 2024

Preferred Drilling Solutions, Inc. (PDS) was contracted by an environmental consulting firm working under the Florida Department of Environmental Protection (FDEP) Petroleum Restoration Program (PRP) to perform a Low Score Site Initiative (LSSI) contaminated soil source removal at a former retail gasoline facility in Tampa, Florida. The property was contaminated by a former petroleum underground storage tanks and associated dispensers.

Before mobilizing to the site to commence construction activities, PDS performed a pre-construction meeting that also included a ground penetrating radar (GPR) survey and the collection of backfill samples for modified proctor geotechnical analysis.

The source removal program included preexcavation well abandonment, the excavation and off-site disposal of 78 tons of petroleum contaminated soil to an average depth of approximately 3.5 feet below land surface, the placement and compaction of approximately 50 cubic yards of imported fill material to a



minimum of 98% of modified proctor density, and site restoration with asphalt pavement to match surrounding grade. The work was completed in two days on site.



STORMWATER INSTALLATION TAMPA, FLORIDA



Project Highlights

- ➤ Installation of RCP stormwater pipe.
- Installation of Inlet Structures
- ➤ Tie-in to existing system
- Site contaminated with PCBs

Client

- > Private Developer
- East Tampa

Cost

> \$121,000

Completion Date

➤ February 2022



Preferred Drilling Solutions, Inc. (PDS) was contracted by a private developer to install approximately 1,100 linear feet of reinforced concrete stormwater piping at a property contaminated with PCBs. The site was undergoing development into a small industrial park, and the stormwater system was being installed to drain asphalt capped soil impoundments that contained PCB contaminated media.

The stormwater system, which was installed over a 3 week period, consisted of ten (10) Type D concrete inlet structures, 287 feet of 15-inch RCP, 553 feet of 18" RCP, 230 feet of 24" RCP, and 40 feet of 30" RCP. The pipe was installed per the engineering design with pipe slopes and alignment maintained by using a pipe laser.

All pipes were gasketed, and all joints were wrapped in a geotextile fabric prior to backfilling. Backfill was emplaced in lifts not exceeding one foot in thickness and compacted. Density testing was completed along the pipe runs to ensure that project design criteria were met.

Inspections were completed by the City of Tampa and all work was approved and accepted.



PERMEABLE REACTIVE BARRIER SEMILOLE, FLORIDA



Project Highlights

- GPR Utility Locate
- Installation of nested couplet wells for zone of discharge monitoring.
- Advancement of pilot borings for subsequent injection using direct push equipment.
- Injection of GeoForm and EHC/EHC-L for the treatment of chlorinated solvent contamination.

Client

Consultant for Private Developer

Cost

> \$127,925

Completion Date

March 2025

Preferred Drilling Solutions, Inc. (PDS), contracted by an environmental consulting firm working for a private developer, worked with a specialty insitu injection provider to install a permeable reactive barrier system to address chlorinated solvent contamination in groundwater. PDS pre-bored 47 injection locations to a depth of 50 feet below land surface using sonic drilling technology. Prior to implementing the injection program, PDS installed four nested well couplets to 50 feet below grade using sonic drilling techniques.

The in-situ chemical injection was completed using one of PDS' Geoprobe 7822 units that advanced injection points via the pre-bored injection locations. A total of approximately 38,000 pounds of amendments were injected over a 10 day period. The property was contaminated by a former dry cleaning facility that operated up until the mid 1990's.



www.pdsflorida.com



REMEDIAL SYSTEM INSTALL ORLANDO, FLORIDA



Project Highlights

- Installation of Air Sparge / Soil Vapor Extraction System.
- Installation of Subsurface Piping
- Construction of Horizontal SVE Wells.
- Drilling of Vertical AS Wells.

Client

FDEP Petroleum Restoration Program Contractor

Cost

> \$165,000

Completion Date

February 2025

Preferred Drilling Solutions, Inc. (PDS) was contracted by an Agency Term Contractor under the Florida Department of Environmental Protection Petroleum Restoration Program (PRP) for the turn-key installation of a soil vapor extraction (SVE) and air sparge (AS) remediation system. The facility, a former gasoline service station, is now occupied by a busy fast food establishment with high volume drivethru traffic.

PDS began with the installation of seventeen (17) AS wells by hollow stem auger to depths ranging between 20 and 35 feet deep. Following well installation, PDS returned to the site to construct the remedial system that included over 700 linear feet of trenching, several thousand feet of PVC piping, tying into the seventeen (17) AS wells, construction of seventeen (17) horizontal SVE laterals, and the construction of a fenced compound to house remediation equipment.

PDS worked with the client, their engineer, and their project manager to permit the project with Orange County Development Services. Construction inspections were completed by the county during the completion of the installation. The project was completed on time and on budget while allowing the existing site business to remain in operation with minimal disruption.

TAB 5 LICENSES



State of Florida License Water Well Contractor

Southwest Florida Water Management District

Certifies That

Gregory W. Campbell

HAS BEEN DULY LICENSED AS A WATER WELL CONTRACTOR IN THE STATE OF FLORIDA LICENSE NUMBER

Well Construction Section
Water Use Permit Bureau



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE BUILDING CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

CAMPBELL, GEORGE WILLIAM

PREFERRED DRILLING SOLUTIONS INC 8820 66TH. STREET N PINELLAS PARK FL 33782

LICENSE NUMBER: CBC1251746

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Halsey Beshears, Secretary



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE POLLUTANT STORAGE SYSTEMS CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

CAMPBELL, GEORGE WILLIAM

PREFERRED DRILLING SOLUTIONS INC 8820 66TH. STREET N PINELLAS PARK FL 33782

LICENSE NUMBER: PCC051725

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Melanie S. Griffin, Secretary



STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS

THE PROFESSIONAL GEOLOGIST HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 492, FLORIDA STATUTES

BERNTSEN, JON P

ENVIRX LLC

2310 LONGMORE CIRCLE VALRICO FL 33596

LICENSE NUMBER: PG2866

EXPIRATION DATE: JULY 31, 2026

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SSUED: 07/09/2024

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Department of Environmental Quality Office of Land and Water Resources State of Mississippi

Certificate of Licensure

Gregory W Campbell

having complied with the Laws of the State of Mississippi and the rules and regulations promulgated in accordance therewith, is therefore issued this License as a

Geotechnical Driller

Restricted to Geo-tech Drilling Only. This license provides no reciprocity with other states. Assigned No. RGO-00006569 for identification

This License is non-transferable

Signed and Sealed this the 5th day of May 2017. Say Wind

Kay Whittington, Director Office of Land and Water Resources





WATER WELL STANDARDS ADVISORY COUNCIL STATE OF GEORGIA

WATER WELL CONTRACTOR

GA LICENSE NUMBER: 694

PREFERRED DRILLING SOLUTIONS, INC GREGORY WILLIAMS CAMPBELL 8820 66TH ST N

PINELLAS PARK, FL 33782

Don Sale

John A Sides

Administrator: Georgia Environmental

Advisory Council

Chairman: Water Well Standards

Protection Division

BLC 1543814

SC LLR Environmental Certification Board

WELL DRILLER

List B 945 GREGORY W CAMPBELL 8820 66th St N

Pinellas Park, FL 33782

Issue Date: 05/06/2020

Environmental