

**Advanced Drainage.....#1135**  
**Systems/Inserta Tee**  
www.ads-pipe.com



ADS manufactures HP pipe and INSERTA TEE. HP pipe is engineered with a polypropylene resin and watertight joints for storm and sanitary sewer markets. INSERTA TEES provide a water-tight lateral service connection for wastewater and stormwater pipes.

**Agri America .....#313**  
www.agriamerica.com

**Akkerman .....#113**  
www.akkerman.com



Established in 1973, Akkerman develops, manufactures and supports quality pipe jacking and tunneling equipment that accurately installs a variety of underground infrastructure. We partner with contractors to explore project solutions for a wide range of geology, pipe diameters and lengths. Akkerman is driven for customer success.

**Alchemy Polymers.....#514**  
www.alchemypolymers.com

You now have access to the most POWERFUL POLYMERS and PAINLESS PROCEDURES you need to achieve the RAPID RESULTS your projects demand!



Alchemy Polymers manufactures an arsenal of cutting edge

polyurethane leak seal, soil stabilization and slab lifting technology. We specialize in helping contractors, municipalities and engineers shift their professional operations into higher gear.

**American Augers/Trencor.....#622**  
www.americaugers.com

American Augers is proud to announce the new mud system M-200D. This mud recycler's most predominate feature is the use of a Derrick 503 single shaker. Derrick shakers are recognized as the



highest quality and highest performing shakers across multiple industries. This 200 gallon/minute system is perfect for the 100,000 lb. and below class of drill rigs.

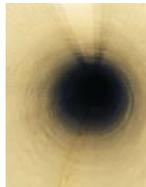
**AP/M Permaform.....#1238**  
www.permaform.net

CentriPipe-Centrifugally Cast Concrete Pipe- is a cost-effective, NO DIG solution for structural lining of culverts spincast at the best design thickness



for the diameter and conditions. For more details, visit www.centripipe.com and call (800) 662-6465 to let us know how we can assist with your next project.

**Applied Felts/MaxLinerUSA.....#1134**  
www.appliedfelts.com  
www.maxlinerusa.com



Applied Felts offers the newest innovations in CIPP liners for force mains and other pressure pipe applications, including non-potable water. Our liners are

custom-designed to your exacting specifications and installation requirements, value-engineered to accommodate internal operating and testing requirements, resin selections, appropriate layers of glass reinforcement and more.

**Associated Construction Publications.....#744**

www.acppubs.com  
(Media Co-Sponsor)

**Avanti International.....#938**



www.avanti-grout.com  
Avanti's AV-100 is a chemically

reactive, low viscosity gel that creates long-lasting water barriers and superb soil stabilization. AV-100 permeates anywhere water can travel and cures in controllable set times of 5 seconds to ±10 hours. AV-100 is used to rehabilitate and sustain municipal sanitary sewer collection systems thus eliminating infiltration.

**Barbco .....#97**  
www.barbco.com

**Baroid Industrial Drilling Products.....#317**

www.baroidip.com



FUSE-IT® polymer lost circulation material, is a fast-acting lost circulation material. It is designed to help seal off even the most severe loss zones in as little as 30 minutes, allowing the operator to return to normal drilling activities.

**Bit Brokers International.....#89**  
www.bitbrokers.com



Bit Brokers International is a family run business with over 100 years of combined experience in the drilling industry. BBI has been in business since 1988. BBI provides HDD tooling such as PDC bits, PDC reamers, pilot bits, tricone bits, roller cone reamers, hammers and support packs, HDD hammer bits, and other custom tooling. Our quality can't be beaten and our customer service goes above and beyond to make sure our customers stay happy.

**BJM Pumps .....#213**  
www.bjmpumps.com



KZN Series, Heavy Duty Submersible Slurry Pumps - KZN heavy duty submersible slurry pumps are designed for the harshest conditions. Top discharge, slim-line design with agitator to suspend heavy slurries containing coal, ash, sand or gravel for ease of passage. GPM to 1690. Heads to 77'.

**Buckhorn Pumps, Inc.....#330**

www.buckhornpumps.com  
Specializing in the sales and service of positive displacement reciprocating pumps. Authorized dealer for FMC Technologies, Kerr, Myers/Aplex.

**Canadian Underground Infrastructure .....#642**

www.baumpub.com  
(Media Co-Sponsor)

**Carestream NDT.....#320**  
www.carestream.com/ndt

**CIPP Corporation .....#1031**  
www.cippcorp.com



CIPP Corporation's team of premier installers will fully assess your pipeline needs and provide

the best solutions available. Our team acts regionally, thinks locally and meets nationally to discuss trends, new products and techniques. We are dedicated to improving CIPP installations and quality as well as other pipeline rehabilitations.

**Cobra Technologies .....#1033**  
www.cobratec.com

**Containment Solutions Inc. ....#631**  
www.containmentsolutions.com



Containment Solutions Inc. (CSI) manufactures non-corrosive fiberglass manholes, wetwells and rehabilitation manholes. Our products are built watertight,

designed as single structural units and are able to withstand H-20 traffic loads. We provide cost-effective products for all types of water, wastewater and green-building applications.

**Contech Engineered Solutions ....#518**  
www.conteches.com



DuroMaxx® SRPE pipe provides a proven trenchless installation method for

cost-effective rehabilitation. DuroMaxx® can restore hydraulic capacity with a Manning's "n" of .012 while exceeding the ASTM D3212 joint tightness requirement. With diameters ranging from 30 to 120 inches, standards lengths of 14 to 24 feet and a compact wall profile, DuroMaxx® SRPE makes an exceptional segmental relining pipe - www.conteches.com/duromaxx. Visit the website or call (800) 338-1122.

**Copperhead Industries .....#331**  
www.copperheadwire.com



The world leader in copper clad steel

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makes Copperhead the ideal choice for tracer wire for all applications, including HDD and pipe bursting. The SnakePit tracer box, SnakeBite connectors and grounding anodes complete the tracer wire system, ensuring the greatest traceability. ViperMag is the latest innovation able to both locate and detect ferrous metals.

**CUES** .....#1130  
www.cuesinc.com

**Danby**.....#437



www.danbyrehab.com  
Danby Pipe Renovation Lining System has been rehabilitating pipes and

culverts with proven technologies for over 25 years. In the end, this corrosion resistant PVC liner provides a structural rehab in various shape structures and sizes over 36inch.

**Digital Control Inc.**..... #509

www.digitrak.com

Digital Control Incorporated revolutionizes HDD locating again with the new Falcon™ line of locators.



Falcon analyzes active interference and selects from hundreds frequencies to custom program a single transmitter for any job site. Drill with the best frequency for the job, every bore, every time, for maximum drill site productivity.

**Ditch Witch** .....#323



www.ditchwitch.com  
The MR90 mud-recycling system helps contractors improve jobsite efficiency and reduce jobsite expense. The self-contained unit can mix and recycle mud, handle spoils, and is the only unit that can be transported full of fluid. The compact design is equipped to meet the demands of any small- to medium-size drill, the most widely used units in service today.

**Doetsch Environmental Services** ..... #1032

www.doetschenv.com  
With over a century of sewer cleaning



experience, Doetsch offers solutions for large diameter, long reach, difficult-access and impossible cleaning tasks. Download our free App for calculating sewer debris volume and weights in a pipe. Available for iPhone and Android.

**Duke's Root Control**.....#1035

www.dukes.com

Duke's exclusive Razorooter II will be featured. Duke's Root Control does it all, providing the best chemical root control product available.



Razorooter II is the only diquat-based herbicide registered by the U.S. Environmental Protection Agency for controlling nuisance tree roots in sanitary sewer systems, and received a classification of "evidence of non-carcinogenicity for humans."

**Emagineered Solutions Inc.** .....#351

theshootercipp.com



Emagineered Solutions invented and manufactures THE SHOOTER®, the first continuous air-inversion

cipp relining machine. With decades of innovative design and proven performance, Emagineered Solutions is the first choice for your cipp relining needs, proudly offering American made products. Locally owned and operated in Redmond, Oregon.

**Envirocon Systems** .....#616

www.enviroconsystems.com

**ENVIROCON SYSTEMS, INC.**

EnviroCon Systems Inc. is a geomembrane installation company that specializes in the supply and installation of geosynthetic liners for environmental, industrial, architectural, commercial and agricultural uses. EnviroCon also offers a full service division for HDPE pipe and fusion machine rental, spill containment and custom fabrication.

**Envirologics Engineering Inc.** .....#227

**Felling Trailers** .....#314  
www.felling.com

**Ferra Tex** .....#835

www.ferratex.com

We are a cure in place liner manufacture with multiple wet out locations thru out the country. We service our customers making 3" to 120" with a full line of rental equipment and technical support.

**Georgia Underground Superstore**.....#430



GUS (georgiaunderground.net): Your one-stop shop for all underground construction and utility

supply needs. We've served the Southeast—and the rest of the world—since 1991. We carry the best/latest products from leading manufacturers. Our warehouses in Atlanta and Dallas stock products you need and our shop keeps your equipment up/running.

**HammerHead Trenchless Equipment**.....#423

www.hammerheadtrenchless.com



HammerHead HydroBurst 100XT static pipe bursting system – The HydroBurst 100XT static pipe bursting system delivers 98 tons of pulling force for sewer, water and gas line replacement jobs. The streamlined 100XT's production rates are up to twice as fast as its predecessor thanks to the pipe bursting industry's first automated rod spinning assembly and the unique design of its hydraulic cylinders.

**Herrenknecht Tunneling Systems**.....#913

www.herrenknecht.com



The newly developed Full Face Hole Opener enables the contractor to drill

from pilot bore to the final diameter in one single step. Multiple reaming passes like in conventional HDD drilling can

be avoided resulting in faster and more economical pipeline installations

**HOBAS Pipe USA**.....#727

www.hobaspipe.com



HOBAS pipe is suitable for virtually every installation method of new construction and rehab. The centrifugally cast, fiberglass-rein-

forced, polymer mortar pipe is inherently corrosion resistant. Key applications are sanitary and storm sewers, other corrosive environments and potable water. Pressure and gravity pipe diameters range from 18 to 126 inches.

**Hole Products**.....#715

www.holeproducts.com

Hole Products is a global leader in providing high performance drilling supplies, tools and equipment to the direct push, environmental, geotechnical, geothermal, HDD, mineral exploration, rotary and sonic drilling industries.

**HTS Pipe Consultants** .....#623

www.htspipeconsultants.com



HTS Pipe Consultants is a materials testing and consulting firm specializing in the testing of cured-in-place vinyl ester, polyester,

epoxy and glass-fiber-reinforced resins. Services include the determination of flexural and tensile strength, flexural creep and chemical resistance properties. All testing is performed in accordance with ASTM, Greenbook, and ISO Standards.

**Hunting Trenchless** .....#322

www.huntingtrenchless.com



The Hunting M-Series Mud Motors incorporates SWB™ (Survey

While Boring) Technology that directly improves your ability to control the bit's direction by locating the sonde housing into the bearing housing just three feet behind the bit. This provides the operator more accurate tracking information than any other mud motor in the industry.

**Hydra-Flex Inc. .... #315**  
www.hydrflexinc.com



Dig faster and save water with Hydra-Flex's Switchblade™ Zero-Degree and Ripsaw™ Rotating Nozzles – designed specifically for hydro-excavation applications. These heavy-duty, high-impact nozzles are constructed with stainless steel housings, non-conductive urethane coating, and tungsten carbide wear surfaces to withstand harsh environments and provide longer life than ceramic nozzles.

**Hydra-Tech Pumps ..... #1026**  
www.hydra-tech.com



The S4TAL-2 solids handling pump features a cast, machined aluminum volute, stainless steel wear plates and a two vane channel impeller. Delivering output flows to 700 GPM, heads to 100

feet, the S4TAL-2 runs well with hydraulic power units delivering flows of 5-10 gpm or pressures to 2600 psi.

**Infinity Tool..... #63**  
www.infinitytoolmfg.com



Infinity Tool Mfg. is an ISO9001:2008 accredited manufacturing facility in Benton IL, with over 150 years of combined experience &

knowledge in the drilling industry. When you pair our outstanding Sales Staff, Tech Support & Top Design Team the outcome is the perfect bit to complete the job. Our product line includes the following: HDD PDC Bits, HDD PDC Reamers, DTH Hammers & Bits, Hole Openers, Patented Bit Retention System, Culvert Cleaning Tools & custom machine shop.

**Infrastructure Repair Systems Inc. .... #839**  
www.irsini.net

The IRSI Trenchless 90° Elbow Spot Repair is here! Seal joints, cracks or even missing pieces of pipe. The center portion of the new liner is a flexible



material with fiberglass for a strong, smooth, unobstructed curve. Yes, even in the "90". Liner ends are fiberglass & felt with IRSI patented Velcro straps and closure. No shrink epoxy resin system cures in 2 hrs. Push / Pull elbow carrier required. Available in 4" – 6" diameter and 2', 3', & 4' lengths.

**Inliner Technologies ..... #625**  
www.inliner.net

Inliner Technologies, a leader in cured-in-place pipe renewal, provides solutions for deteriorating pipes and culverts ranging in diameter from 4 to 120 inches. With its focus on superior customer service and innovation, Inliner has earned

a reputation for unmatched integrity and quality – installing over 20 million feet of pipelining since 1989.

**Insituform Technologies..... #407**  
www.insituform.com

Since 1971, Insituform has installed



restore gravity, pressure and potable water pipelines, storm drains and culverts.

**Integrity Fusion Products..... #414**  
www.integrityfusion.com

Integrity Fusion Products offers the IntegriFuse line of Electrofusion Fittings & Equipment. This includes FM Approved Molded EF Couplers and Saddles up

through 48". New fully pressure rated SDR 7 EF Couplers are available in IPS sizes 2" to 18" and exceed FM 267 to achieve FM 400 Rating.

**Interplastic Corp. .... #808**  
www.interplastic.com

Interplastic Corporation has developed a line of cured-in-place pipe (CIPP) resins

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Sometimes it's what you **CAN'T SEE** that **MATTERS MOST**

**UNDER EVERY MILLER PIPELINE HARD HAT IS A HIGHLY TRAINED AND SKILLED PROFESSIONAL YOU CAN TRUST**

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pipeline construction & rehabilitation

*Miller Pipeline employees are the quintessential construction specialists in the underground industry. With our broad knowledge and hands-on approach you're bound to get more than you bargained for.*

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designed for use with reinforcement containing tubes for CIPP pressure liners. Short term burst strength results of these liners have approached 1,300 psi. These resins are corrosion resistant, have high tensile strength properties, are as easy to process as standard CIPP liners and come in a styrene containing or styrene free versions.

**J.T. Miller** ..... #500  
www.jtmillerinc.com



J.T. Miller Inc. specializes in drill pipe, drill bits, hole openers, mud motors and HDD accessories for maxi-rig applications. We offer new and used premium class drill pipe. We maintain an inventory of high quality new TCI and mill tooth drill bits from 6 1/2 inches through 12 1/4 inches. We also offer dies and Gearrench tongs as well as a large inventory of HDD accessories and consumables.

**Jack Doheny Companies** ..... #1034  
www.dohenysupplies.com

**Jet-Lube** ..... #419  
www.jetlube.com  
Since 1949, Jet-Lube has been recognized as the world leader in the development and manufacturing of drill pipe compounds, anti-seizes, thread sealants and EP Greases for oilfield, water well, HDD, mining and industrial MRO customers worldwide.

**KEMTRON Technologies** ..... #401  
www.kemtron.com



As the trenchless industry continues to grow, the need for effective solids control systems increases. KEMTRON Technologies' new line of packaged mud recycling systems meets these demands. Stop by our booth and see the new Tango 600T packaged system. Featuring a larger tank capacity, HMI touch screen

control panel and new Hyper-G shaker technology.

**LMK Technologies** ..... #1139  
www.lmktechnologies.com



LMK's T-Liner® is a one-piece homogenous main-to-lateral CIPP connection liner that renews 18

inches and 360 degrees of the mainline, and extends up the lateral pipe as one continuous lining and is ASTM F2561 compliant. T-Liner with Insignia™ compression gasket-sealing technology provides a verifiable non-leaking system. Visit [www.lmktechnologies.com/t-liner](http://www.lmktechnologies.com/t-liner) for more information.

**Mabey Inc.** ..... #817  
www.mabey.com



Mabey Inc. supplies a comprehensive line of shoring and excavation systems to help keep your project running safely and

smoothly. In addition to our Sheet and Frame and Slide Rail systems, we also offer on-site support and PE certified engineering plans.

**Madewell Products Corporation** ..... #909  
www.madewell.net

**McElroy Manufacturing** ..... #411  
www.mcelroy.com



McElroy is the leading manufacturer and innovator of pipe fusion equipment. Visit our booth to

see new products highlighting McElroy's capability, productivity improvements for the market and our commitment to technology. As pipe fusion experts, we can show you why fused pipe is improving the world's pipeline infrastructure.

**McLaughlin Group** ..... #506  
www.mclaughlinunderground.com  
The McLaughlin MEGA VX200 6-inch truck-mounted vacuum excavator features spoil tank capacities ranging

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from 1,200 to 3,000 gallons (4,542.5 to 11,356.2 L) and a standard option of 800 gallons (3,028.3 L) of fresh water. It has a 6-inch (15.2 cm) hose width with a 3,200 CFM (91 m<sup>3</sup>/min) blower at 18 inches of mercury. It is powered by a 200-horsepower (149 kW) John Deere Tier 3 engine, and features a 3-stage cyclonic filtration.

**M-I SWACO.....#512**  
www.miswaco.com



DRILPLEX HDD is a specialty product used to enhance MAX GEL. When added to bentonite, slurry produces high fragile gels for superior suspension and carrying capacity

of sand, gravel and rock cuttings from the borehole. DRILPLEX HDD is easy to pump, improves hole stability and reduces chances of loss circulation.

**Miller Pipeline.....#1131**  
www.millerpipeline.com



The first WEKO-SEAL was created in 1975. It quickly became the industry-standard internal pipe seal, and has been the standard now for four decades. Every true WEKO-SEAL is designed and produced by the experts at Miller Pipeline, and even though competitor after competitor has tried to beat us at our game, nobody's ever come up with a better process, design, service or product than WEKO-SEAL.

**Mincon.....#702**  
www.mincon.com



Mincon is the largest manufacturer of world class pneumatic hard rock horizontal directional drilling hammer systems. The range covers pilot bore drilling from 3 1/2 inches up to 9 1/4 inches and the revolutionary patented hard rock Pullreamer that opens pilot bores out between 10 and 16 inches in the hardest of rock.

**Mud Technology International ....#701**  
www.mud-tech.com



Mud Technology International, Inc.'s MPCT-1000 ( Mud Maxx) Drill Fluid Pumping ,Mixing & Cleaning System has all the " bells and whistles" . Fully self-contained , 1000+ GPM cleaning capacity , 6,500+ gallon 3-section tank, four(4) High G-Force Linear Shakers, onboard MTP-475 triplex mud pump capable of 600+ GPM , 480v/200kw/3phase generator. " Technology Today Shaping the Future"

**National Association of Sewer Service Companies (NASSCO).....#1037**  
www.nassco.org



Need training in sewer assessment or inspection? NASSCO's Pipeline, Manhole and Lateral Assessment Training Programs

(PACP, MACP & LACP) have become international standards. Inspectors for CIPP & Manhole Rehab projects count on ITCP to better understand & inspect trenchless infrastructure renewal technologies. Whether you are assessing or installing, set your job up for success by being certified!

**National Liner .....#1030**  
www.nationalliner.com



National Liner, through its network of experienced North American installers, provides cured-in-place pipe (CIPP) products and services to municipal and industrial customers to rehabilitate deteriorated pipe. National Liner, established in 1994, has been installed in excess of 18 million liner feet of pipe ranging in size from 6 through 84 inches.

**Nightstick by Bayco Products Inc. ....#722**  
www.mynightstick.com



Nightstick is a global brand of professional lighting products including flashlights, headlamps and Intrinsically Safe lighting solutions that exceed industry standards in performance, quality, user-safety and value. Our revolutionary XPP-5422GM Dual-Light flashlight design combines a flashlight and a floodlight with the ability to turn both on simultaneously.

**North American Procurement Council Inc.....#842**  
www.napc.pro

**NRI .....#550**

www.neptuneresearch.com  
NRI has revolutionized and led the industry in research and development, engineering design and manufacturing of pre-impregnated and field saturated composite strengthening systems that restore, protect and reinforce pipes, pipelines, and civil structures for over 31 years. NRI has been established on a foundation known for cutting edge solutions and is distinguished as the industry's premier manufacturer of composite reinforcement solutions.

**Pipeline & Gas Journal**  
www.pgjonline.com



*Pipeline & Gas Journal* is the recognized authority on pipeline operations worldwide. P&GJ is written for those involved in moving, marketing and managing hydrocarbons from the well head to the ultimate consumer. Readers are given information on the operation of energy pipelines that can be used on their jobs immediately. (Media Sponsor)

**Permalok**  
**A Northwest Pipe Company .....#917**  
www.permalock.com

**Picote Solutions .....#930**  
www.picotesolutions.com



Picote Coating System is a simple coating system used for pipeline renovation. Coat pipes from 1/4- to 6-inches or reinforce small areas. The Picote coating resin creates a new pipe that is self-supporting, damp proof, corrosion resistant, and elastic. The compact system fits easily in tight places. Easy to clean and service.

**Pioneer One .....#711**  
www.pioneeronehddp.com



Pioneer One is a HDD hammer production and service company. Their Prospector Air Hammer technology will make any directional drill a rock

drill that's easy to steer & most effective in the field. With 50+ yrs in the HDD industry and providing around the clock worldwide svc support & training, P1 provides the most productive durable & adaptable HDD air hammer system on the market. Whether you are in rock dirt or cobble, the Prospector System makes the impossible possible.

**Pipeline Renewal Technologies ...#831**  
www.pipelinetert.com

**Pipenology, LLC.....#441**  
www.pipenology.com

**Polaris Industries.....#903**  
www.polaris.com

**Prime Resins.....#731**  
www.pgjonline.com



AR 800 is a very low viscosity, hydrophilic acrylic resin. Produces elastomeric gel with variable set times. Used for leak sealing and soil consolidation. The AR 800 is ideal for geotechnical applications in humid environments. Variable set time range is long and adjustable. Resin remains fluid until polymerization. This resin is excellent penetration with sandy/silty soils.

**Proshot Concrete .....#822**  
www.proshotconcrete.com



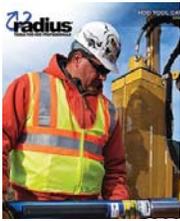
Shotcrete offers an alternative to the 'digging and replacing' of damaged culverts, sewers, and storm drains. Shotcrete provides all the benefits and structural properties of traditional concrete, less expensive, and environmentally friendly. This trenchless repair, using Shotcrete, eliminates road closures, disruption of traffic, and expensive 'above ground' bypassing pumping.

**R.S. Technical Services.....#934**  
www.rstechserv.com



The CUBE is a Portable Mainline System ideal for easement work or hard to access areas, providing the power of a full mainline system in a free-standing, highly mobile solution. The CUBE has fork-lift access front & rear, fits on ATV or pickup bed, features mainline system with up to 1500' cable, on-board generator, 2-500lb capacity storage drawers, wash-down system & data collection computer.

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## Radius HDD Tools ..... #603

www.radiushdd.com  
Radius HDD Tools offers a complete line of HDD tools for professional drilling contractors and all brands of HDD rigs. From tooling and supplies to drill pipe and mud, Radius makes it easy to keep your HDD projects on schedule. You can request our latest catalog online at [www.radiusHDD.com](http://www.radiusHDD.com) or by calling (800) 892-9114.

## Ramvac Vacuum Excavators ..... #1003

www.ram-vac.com

## Raven Lining Systems ..... #231



www.ravenlining.com  
Raven® 405 is a solvent-free 100% solids, ultra high build epoxy coating formulated with high physical strengths and broad range chemical resistance. 405 exhibits superior bond to concrete, steel, masonry, fiberglass and other surfaces. The 405 is designed as a structural lining in manholes, pipelines, tanks and other deteriorated structures.

## RehabZone ..... #1037A



www.rehabzone.org

The RehabZone, sponsored by NASSCO, will include "LIVE" displays with demonstrations performed by sponsors who are experts in the trenchless industry. Tour the Zone's sewer and pipe artifacts exhibit, AZ Water Association's Sewer History Exhibit. Experience the Technology Test Drive! YOU put the gloves on, push the buttons and "drive" each technology to better understand how it works. As part of the RehabZone's ongoing outreach program, guided tours will allow new and experienced personnel to take a private tour accompanied by an industry expert through the technology stops and demonstrations. And you get education credits for taking the tour!

## Reline America ..... #93



www.relineamerica.com  
Reline America™ is the leading North American manufacturer of ultra-violet, glass-reinforced, cured in place pipe. We manufacture state-of-the-art installation

equipment specific to Alphasliner™. Our Quality-Tracker System™ monitors and records all aspects of the installation process. Reline America™ serves the rehabilitation needs of municipalities, DOT's and industries.

## Sauereisen ..... #531

www.sauereisen.com



Sauereisen SewerGard® No. 210X is a protective lining specifically formulated for municipal wastewater environments. SewerGard® No. 210X provides a chemical-

resistant barrier for concrete, brick and steel substrates. No. 210X has the ability to build up to 125 mils in two equal coats and offers strengths in excess of 15,000-psi, and elongation of more than 12 percent.



## Scorpion Oil Tools ..... #99

www.scorpion.net  
Breakout/Makeup machines for 2 to 36 inch tools. Chain design allows for a controlled grip.

The machines are compact, portable, and easy to transport and operate, and can be used in both horizontal and vertical positions.



## Sealing Systems Inc. .... #412

www.ssealingsystems.com  
Flex-Seal Utility Sealant is a state of the art plural component aromatic urethane with an incredible 800 percent elongation and a tensile

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— JOHN CLIREY  
Operations Manager, Earth Boring

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For 20 years, contractors have trusted Robbins Small Boring Units (SBU-A's) to go the distance on their hard rock and mixed ground projects.

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strength of 3200-psi. Flex-Seal is designed to prevent inflow/infiltration and to provide corrosion protection at the grade adjustment ring section or joint section.

**Source One Environmental ..... #830**  
www.s1eonline.com



The SilverBack XL flexible coupling connects clay to clay and clay to plastic pipe, specifically designed for pipe bursting and ramming applications. It's extra-long length,

PVC material and heavy-duty shear ring allows the coupling to fix pipe alignment problems while resisting heavy earth loads. The coupling will additionally protect the pipe from thermal expansion and contraction.

**Specified Fittings ..... #417**  
www.specfit.com



Specified Fittings, founded in 1997, has grown to become the largest pure pipe fittings

fabricator in North America. With production plants in Bellingham, WA, and Stevensville, MT, we aim to serve the North American and international markets with a complete line of HDPE, PVC and CPVC fittings.

**SpectraShield Liner Systems ..... #935**  
www.spectrashield.com

SpectraShield is a patented, systematic layering of polymer resins designed to rehabilitate and protect wastewater



structures such as manholes, wet wells or wastewater treatment plant facilities.

A typical 7-foot deep manhole can be completed in approximately one hour. SpectraShield has a 10-year warranty.

**Standard Cement Materials ..... #1023**  
www.standardcement.com

**Sunbelt Rentals ..... #103**  
www.sunbeltrentals.com  
Sunbelt Rentals Pump & Power Services offers a wide selection of pumps, including diesel and electric models from



4 to 24 inches. Our specialists design and install bypass installations that will meet and exceed customer

expectations. Visit [sunbeltrentals.com](http://sunbeltrentals.com) or call (800) 736-2504 to learn more!

**T & T Carbide ..... #77**  
www.tandtcarbide.com



T & T Carbide Inc. is a small family owned business that has been supplying the drilling industry with quality tools for over 39 years. We manufacture all of our tools completely in-house, so we know the job is done right! Products include subs, tricone and PDC pilot bits, reamers and fly cutters.

**The Monte Vista Group ..... #405**  
www.montevistagroup.com

The Monte Vista Group is an international technology and service provider for contractors in the UV CIPP industry. Our technology, licensing, and supporting services allow our customers to produce their own UV CIPP liner. Technology includes patents, wet-out conveyors, light trains, and the MVG software platform which integrates the entire supply chain. Services include business strategy, ROI analysis, and training for personnel and company processes.

**The Robbins Company ..... #530**  
www.therobbinscompany.com



Robbins specializes in small diameter boring equipment, which includes Small Boring Units (SBU-A), Motorized Small Boring Units (SBU-M), Rockheads

(SBU-RH) and the innovative Remotely-Controlled Motorized Small Boring Unit (SBU-RC). Available from 30- to 36-inches, the SBU-RC is ideal for mixed ground and hard rock applications with laser-guided steering and vacuum spoil removal.

**The Strong Company ..... #504**  
www.strongseal.com



Manufacturer of manhole rehabilitation products.

**The Toro Company ..... #117**  
www.toro.com/underground



The new Toro® DD2024 horizontal directional drill combines a compact design with 20,000 lbs of pullback force and 2,400 ft-lbs of rotary torque. Powered by a 74-horsepower Cummins® B3.3 turbocharged diesel engine, the DD2024 delivers consistent and reliable performance in all operating conditions. Its quad rack and pinion carrier design spreads the load evenly for smooth and stable movement. The onboard mud pump flows up to 30 gallons per minute and the floating carriage has two speeds, including a 120 ft/min fast mode.

**Thompson Pipe Group/ Flowtite ..... #316**  
www.flowtitepipe.com



Many challenges face the water and wastewater pipeline industry for open cut, slip-rehab, or trenchless jacking installations. The globally proven product, Flowtite FRP pipe, can often be the answer with non-corrosive gravity and pressure class pipe (462-psi max), various stiffness, various joint lengths (50 foot maximum), lightweight, quality solutions.

**Thompson Pump and Manufacturing ..... #836**  
www.thompsonpump.com



Thompson's JSC solids-handling pump series leads the industry with its heavy-duty cast-iron construction and ability to dry-prime and

re-prime automatically. The portable JSC Series features pumps that range in size from 3- to 18-inches, are designed for high flows to 11,000 gallons per minute, and have maximum heads to 665 feet.

**TRY TEK Machine Works ..... #723**  
www.trytek.com



TRY TEK Machine Works, Inc. offers a unique small diameter cutting system called the TRYDENT 80.

The TRYDENT 80 allows reinstatement of interior or exterior relined pipes from 3- inch to 6-inch diameters. A small but powerful flexible cutting head can maneuver around multiple 90-degree and 45-degree elbows.

**TT Technologies ..... #203**  
www.tttechnologies.com



Trenchless piercing tools, pipe ramming tools and pipe bursting tools from TT Technologies will be on display during UCT 2016. A wide range of trenchless equipment and accessories will also be available including, pipe bursting expanders, constant tension winches and bentonite lubrication systems.

**TuffRod ..... #709**  
www.tuffrod.com



American owned & operated, TuffRod specializes in one-piece forged S135 grade drill rod for Vermeer and Ditch Witch Drills. TuffRod is here to make sure you have the right rod for your HDD project. Not sure what you need? Receive some personalized instruction at Drill Rod University.

**Tumbleweed Equipment ..... #726**  
www.tumbleweedequipmentllc.com



Tumbleweed Equipment LLC is proud to supply the pipe jacking and tunneling community with an outlet to sell or lease all makes and models of pipe jacking and

# EXHIBITOR SHOWCASE

boring equipment. Tumbleweed Equipment LLC has a supply of new and used Dual Wall Pilot Tubes for sale or lease for your long GBM bores.

**Ultra Shore.....#79**  
www.shoring.com

**Underground Construction.....#753**  
www.ucononline.com



*Underground Construction* is the largest audited circulation magazine focusing exclusively on the underground construction and rehabilitation industry. Edited for industry decision makers, we feature a wide variety of job stories; case histories; application and up-to-date information, geared to keeping readers well informed and educated. Stay informed with *Underground Construction*. (Media Sponsor)

**Underground Construction Technology Association (UCTA)...#724**  
www.uctaonline.org



The Underground Construction Technology Association (UCTA) is a nonprofit organization that advances the science and practice of installing, repairing and maintaining utility lines and related facilities through construction and rehabilitation techniques. The focus of the organization is nation-wide where companies face similar problems in the construction and maintenance of their underground piping systems.

**Underground Solutions.....#312**  
www.underground-solutions.com  
Underground Solutions, Inc. provides infrastructure technologies for water, wastewater and power cable conduit applications. UGSI's Fusible PVC® pipe products available in diameters from 4- to 36-inches, including Fusible C-900®, Fusible C-905® and FPVC®, utilize patented technology to produce a fused



monolithic, fully-restrained, gasket-free, leak-free piping system ideal for trenchless or conventional "open-cut" installations.

**Underground Tools Inc. (UTI)..... #403**  
www.undergroundtools.com



Underground Tools, Inc. will be displaying one of the industry's most comprehensive selections of premium quality HDD Drill Pipe and Tooling, as well as Trenching Chain and related Components at UCT 2016. HDD Tooling includes: Sonde housings, pilot bits, backreamers, drive chucks, starter rods and much more. Trenching chain, teeth, sprockets and rollers will also be on display.

**Universal HDD.....#341**  
www.unihdd.com

At Universal HDD, we learned the business the hard way. We've been in the field working with our rigs, drilling under some of the most difficult natural and man-made obstacles since the invention of horizontal directional drilling. Universal HDD remains to be the leader in design and manufacture of custom HDD machines and equipment. Our rigs feature the most advanced technology in the industry, while maintaining the simple design, high productivity and reliability.

**Utilicor Technologies.....#131**  
www.utilicor.ca

UTILICOR Technologies Inc. is the exclusive manufacturer and distributor of the field-proven, keyhole pavement coring and reinstatement system, which combines purpose built coring equipment with Utilibond, a proprietary core bonding compound, which has been specifically developed for the permanent reinstatement of cored pavement coupons ("keyholes") in all types of paved roads and sidewalks.



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**Vac-Tron Equipment.....#107**  
www.vactron.com



The new HTV (Hydro Truck Vac) PTO (Power Take Off) Truck series has debris tanks ranging from 300 gallon to 1500 gallon in size. The PTO of the truck drives positive displacement vacuum blowers that produce 1,000 to 3,000 CFM. These units are standard with a high pressure water system, full hydraulic rear door, reverse pressure, and the patented "Big Red" filter housing. Air compressors and Hydraulic booms are also available.

**Vacuworx Global.....#318**  
www.vacuworx.com

Get more power—and zero pollution—with the new Vacuworx Hydraulic Series Vacuum Lifting Systems. Featuring the same innovative performance as Vacuworx diesel-powered lifters, the new Hydraulic Series is lighter, quieter and more cost effective to operate. Running



off the host machine's hydraulic system eliminates fuel costs and wasted time. Lift faster, safer and smarter with Vacuworx.

**Vermeer.....#501**  
www.vermeer.com



The D23x30 S3 Navigator® horizontal directional drill is one of the quietest drills in the market. With a 100-hp engine, the D23x30 S3 offers speed and power in a short, narrow footprint to help increase productivity when working in compact urban or commercial jobsites.

**Video Industrial Services Inc..... #923**  
www.videoindustrial.com

Headquartered in Chicago, the Carylton Corporation is the largest specialty sewer maintenance contractor in the US. Na-

tionwide we possess a fleet of over 1,523 vehicles, including 142 Digital Inspection Units and 170 Sewer Cleaning Units with a committed staff of over 1,000 highly trained personnel. Video Industrial Services and Bio-Nomic Services are two of the Carylton companies located in the southeast.

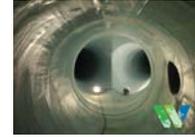
**Vylon Pipe.....#641**  
www.primeconduit.com



Vylon Slipliner Pipe is used for rehabilitation of existing sewers and is available in 21" through 54" diameters. It's flush bell design allows easy installation in live sewers thus eliminating the need for bypass pumping.

**Warren Environmental.....#517**  
www.warrenenviro.com

Warren Environmental is the owner of a patented process for the application of specialized epoxies for infrastructure repair. The epoxies are 100% solids, are non-toxic and are moisture insensitive



with superior strength and chemical resistance. Our patented equipment is designed to spray high viscosity epoxies without the use of toxic thinners.

**Worldwide Drilling Resource.....#730**  
www.worldwidedrillingresource.com  
(Media Co-Sponsor)

**Xylem Dewatering.....#326**  
www.xylemnc.com



The Godwin Dri-Prime® CD150M pump offers flow rates to 2,290 GPM and has the capability of handling solids up to 3.0" in diameter. The CD150M is able to automatically prime to 28-ft. of suction lift. Automatic or manual starting/stopping is available with mounted control panel or optional wireless remote access.

UNDERGROUND CONSTRUCTION TECHNOLOGY



## Structural Rehabilitation Design for Rigid Pipes

February 2, 2016 - 8 am to 5 pm

**Why you should attend:**

Project quality control must start with rehabilitation liner design. This course presents the essential engineering concepts required to produce valid structural rehabilitation liners for rigid pipes (plain and reinforced concrete).

**Attend and you will learn:**

- Essential concepts for rehabilitation designs for rigid pipes (RCP)
- Load estimation
- Pipe structural condition assessment from visual inspection
- Composite design of rigid pipes and liners
- Realistic failure states

**Who should attend:**

Design engineers (Consultants, Owners and Product vendors)

**Attend and you'll receive:**

- A seminar reference workbook
- A CD of the presentation & reference materials
- 8 Engineering PDHs

**Your Instructor:** George McAlpine, Ph.D. (23 years pipe rehab experience and 21 published papers).

For more information visit [uctonline.com](http://uctonline.com).