



AMERICAN WATERWORKS SOLUTIONS GUIDE

800.795.1204 | american-waterworks.com

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Improving the lives of our customers, team, and community through
education and delivering trusted solutions.

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WHO WE ARE



Steve Breland, Owner

We have over 30 years of experience solving problems for over 30,000 homeowners throughout [Minnesota, North Dakota, western Wisconsin, and northeast Iowa](#).

We are a dealer for the top home repair suppliers in the country including Basement Systems and Supportworks. We are the most recognized dealer in our region, and we are committed to staying in the forefront of our industry with support of these organizations.

Our priority is to provide homeowners with lasting solutions for a wide array of problems. We firmly believe that working with a contractor shouldn't be a painful experience, and we strive to change that perception. We do this by providing top-notch customer service and ensuring that all employees are knowledgeable and thoroughly trained in order to best serve our customers.

CORE VALUES

★
We show up.

★
We're driven to be the best.

★
We're one team.

MEMBERSHIPS



THE CHAMBER
FARGO MOORHEAD WEST FARGO



Accredited
Since 2000

AFFILIATIONS



AWARDS



Awarded the Above and Beyond Award from
the Employer Support of the Guard and
Reserve

StarTribune has named us one of the "Top Work
Places" in Minnesota for three years running

Fan Favorites Winner for Best Basement
Services and Best Customer Service



Angi and HomeAdvisor badges for years of
quality service and customer satisfaction



Post Bulletin's Best of the Best Winner for
Best Basement Services



BBB Torch Award for
Ethics Winner

PURPOSE

Our purpose is to
redefine what it means
to be a contractor, and
to be a leader in the
communities we serve
by sharing our time,
talents, and resources.

SERVING OUR COMMUNITIES



Feed My Starving Children



Harvesting Corn for Channel One



Bell Ringing for the Salvation Army



Annual Toys for Tots Drive



Festival of Trees-
Hiawatha Homes



Serving our Country
Overseas

OUR REFERRAL PROGRAM



REFER A FRIEND TO RECEIVE \$50 CASH!

We count on our satisfied customers to tell their family, friends, and neighbors about their experience with our company and the quality of our work.

If someone you know could use our services, simply visit american-waterworks.com/refer and fill out your friend's information, so we can get in touch with them. You can trust us to provide the same level of outstanding service that gave you the confidence to refer us in the first place.

GUARANTEES

SATISFACTION GUARANTEE

We guarantee that we will perform all of our work to the standard stated on your proposal. If for any reason you are displeased with any of our services, we are just a phone call away.

EFFICIENCY GUARANTEE

We know having work done on your home can be an inconvenience to you and your family. We are committed to returning that feeling of "home" to you as quickly as possible. We invest in continuous training and quality tools for our team members, which translates into a better experience for our customers. We are committed to working together to find a mutual resolution as quickly as possible.

PROPERTY PROTECTION GUARANTEE

We do our best to ensure that your property is protected. Floor covers will be used in all work and traffic areas. We do our best to clean up after ourselves. In the rare occurrence that property is damaged, we will repair it. However, if you are not satisfied, we will provide you with a \$100 gift card towards professional cleaning.

CUSTOMER RESPECT GUARANTEE

Our technicians will not use tobacco products or profanity while on your property. They will politely address any questions or concerns and treat your family and property with respect. All of our employees are upstanding citizens with the legal right to work in the United States.

ARE WE PERFECT?

No. But every person at our company strives to redefine the construction industry every single day. We believe customer experiences can and should be remarkable. Our company cares deeply and builds long-term relationships with our customers because we know YOU are the very reason we are in business.





BE CAUTIOUS WHEN YOU HEAR CONTRACTORS SAY...

"WE CAN DO YOUR JOB RIGHT AWAY"

We are the largest waterproofing and foundation repair company in our service area and employ almost three times as many people as our closest competitor. The volume of work that we do allows us to have the most professionally trained and experienced workers in the industry. Your problem likely developed over time, so it is definitely worth waiting a few extra days to have the most qualified and trained professionals complete your project.

"WE CAN DO IT CHEAPER BECAUSE WE'RE SMALLER"

Just because a company is smaller, doesn't mean it's cheaper. We have found that due to the large amount of work our company does, we are able to buy materials in bulk, allowing us to pass those savings on to our customers. We are also better able to train and equip our staff to complete jobs much more efficiently than our smaller competitors.

"OUR QUALITY IS HIGHER BECAUSE WE HAVE LESS JOBS TO DO"

We fix more basements, more crawl spaces, more uneven concrete, and more foundations than anyone in our area, and our competitors know it. To account for the added number of jobs that we complete, we have built the most highly trained, and knowledgeable team in the industry. We take pride in every job we do and are on a mission to do every job the right way, the first time for a remarkable experience.



WHY SHOULD YOU FIX YOUR HOME NOW?

Your home repair needs will only get more expensive to fix over time.

Regardless of whether you fix your problems now, you will still pay for them. If you are planning to sell your home, you will have to disclose problems such as: basement water problems, crawl space issues, mold and foundation complications, etc. If, at this point, the buyer is still interested, these problems will have to be fixed prior to closing. With that said, if you are going to have to fix it anyway, we can help take care of your problems now, before they get worse!

You will pay for your home's problems...

...WHETHER YOU FIX THEM OR NOT.





REMARKABLE SERVICE. TRUSTED SOLUTIONS.

American Waterworks offers a unique approach to solving your home's problems. We strive to put our customers first and focus on providing the highest level of service. We understand that each home is unique and has unique problems. These problems need to be tackled with the most trusted, effective products available.

Our services are separated into different sections within this book:

Basement Waterproofing, Foundation Repair, Crawl Space Repair, Radon Testing & Mitigation, Egress Windows, and Concrete Repair. Within these sections you can quickly find the signs and causes of the problems occurring in your home, and see the products and solutions we offer to fix these issues. You can also simply browse to gain more insight for maintaining your home and learn what you can do to prevent future problems.

If you have any questions about our products and services, make sure to ask your Design Specialist when they arrive at your home!



OUR SERVICES

Learn more about our services by checking out the following sections.



BASEMENT WATERPROOFING

Your home is a large investment, and you want the basement to be a clean, dry, and usable space. The more clean and dry your basement, the more confident and peaceful you can feel about the area beneath your home.

There are many reasons your home's basement may leak or suffer from moisture problems. A wet basement causes stressful situations and distractions as you try to determine the cause, the cost, and the right contractor to fix it correctly the first time.

American Waterworks can help eliminate those distractions, so you can rest assured that your largest investment is protected. The basement problems you are experiencing can be eliminated with a quality solution from a quality company.

WHERE TO LEARN MORE

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BEFORE



AFTER

WHY INSTALL A WATER CONTROL SYSTEM?

1. The problem will get worse over time. A basement water issue never gets better on its own. The longer you wait, the more it can cost to fix down the road.
2. Resale value. No one wants to buy a house that has a wet basement problem.
3. Health issues. Moisture in your basement can cause mold that can lead to respiratory problems for you and your family.
4. Air quality. When warmer air escapes your home's upper levels, the damp air from your wet basement makes its way into your living areas.
5. Dust mites and mold spores absorb water out of the air, so if your humidity levels are high they can thrive in your home. Dust mites and mold spores are the two leading allergens triggering reactions in people with allergies and asthma.
6. Moisture in your basement can cause the floor above to buckle and warp overtime.

CAUSES OF WET BASEMENTS

There are many causes of wet basements. Here is a guide to a few of the most common that may be impacting your home.



HYDROSTATIC PRESSURE

Hydrostatic pressure is the pressure exerted by a fluid due to the force of gravity. As water saturates the soils around your home's foundation, the water puts pressure against the walls. Because these walls are porous, water can be pushed into your basement.



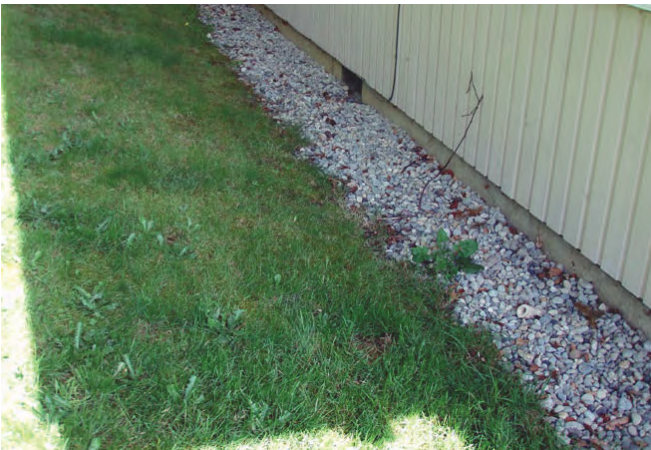
SETTLING DIRT

When a new home is built, loose soil is pushed back against the foundation walls. When this soil around your home settles, water can easily flow towards your foundation walls. Concrete, brick, and stone walls are porous and allow this water to enter your home.



FAILED FOOTING DRAIN

One of the most common causes of a wet basement occurs when a footing drain fails. When it fails, it causes the soil around the foundation to become saturated. Water then enters through the joint between the footing and the wall, through cracks in the wall, or even under the footing.



POOR GRADING

If the land around your home is pitched towards the foundation, water will flow towards your basement walls every time it rains. This water can do damage to your home if it is not diverted away.

SIGNS OF BASEMENT DAMAGE

These signs may indicate your basement is experiencing a moisture problem.



DAMP WALLS

Damp walls during rain is a major indicator that water is not draining away from the foundation of your home. Eventually damp walls can result in more serious leaks and flooding.



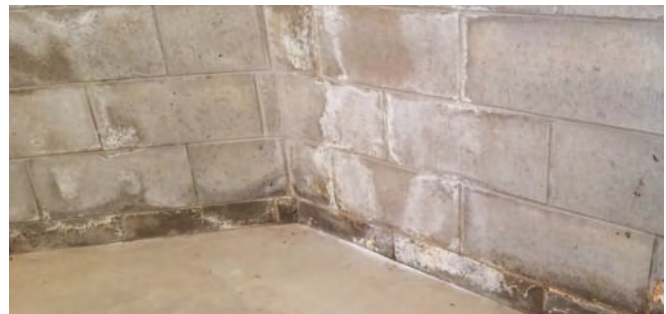
WET FLOORS

Water can easily come up through cracks and pores in your concrete basement floors. Water that comes in from the edge of your basement will also travel to the lower portions of your floors.



POOR INDOOR AIR

Low quality indoor air may indicate dust mites, mold, and other allergens in your basement. This contaminated air is pulled through your basement into your living area by what is called “The Stack Effect.”



EFFLORESCENCE

Moisture produces a white residue on the basement walls. Sometimes it sparkles. Efflorescence is caused by salt deposits left behind by the evaporating water from leaks.



MOLD & MILDEW

One of the most apparent signs of moisture problems is the presence of mold. It can often be found on the floor joists and walls of your basement.



STANDING WATER

Standing water in your basement is a clear indicator that harmful water is not draining away from the foundation. When this water accumulates too quickly in your basement it can cause many problems.



SAGGING FLOORS

Floors can sag when moisture builds up on the floor joists beneath. Sagging floors can be a sign of severe moisture issues and get worse over time if left untreated.



ROTTING WOOD

Rotting wood is a strong indicator of moisture problems. and can lead to termite infestation. If wooden beams, or anything else made of wood begins to rot, you need to fix the source of the problem immediately.

WET BASEMENT SOLUTIONS

TRIPLESAFE™ SUMP SYSTEM THE WORLD'S MOST RELIABLE PUMPING SYSTEM



The TripleSafe is the most reliable water pumping system in the world. It keeps your basement areas dry with triple the protection of a normal pump.

A sump pump is a vital part of any basement water control system. But what happens when the pump fails, the power goes out, or if a single pump can't keep up with the volume of water during a heavy rain? The TripleSafe protects against all these problems and more!

How It Works



PUMP 1

Zoeller M-53 1/3 hp Pump

- Primary pump used when removing water
- Efficient & Reliable



PUMP 2

Zoeller M-98 1/2 hp Pump

- Runs if primary pump fails, or if it can't handle the strong flow of water
- When working together the pumps remove 6,200 gallons of water each hour



PUMP 3

UltraSump Battery Back-Up Pumping System

- DC Operated Pump
- If power goes out, the power pack turns on the pump to remove water



Removable lids for easy service



WaterWatch Alarm lets you know if there is an issue

ULTRASUMP®

BATTERY BACK-UP PUMPING SYSTEM



The UltraSump provides peace of mind through power outages and primary pump failures. This battery back-up system will pump 12,000 gallons on a new power pack.



DC Operated Pump

- If power goes out, this pump turns on, powered by a power pack, to remove water
- Optional double power pack configuration doubles water output
- Great for rural properties

SUPERSUMP PLUS

SUMP PUMP SYSTEM



The Supersump Plus keeps your basement dry using a float operated and fully submersible pump. A sump pump is a vital part of any basement water control system.



Zoeller M-53 1/3 hp Pump

- Cast iron switch case, motor, pump housing and base

WET BASEMENT SOLUTIONS

SHIPSHAPE® PERFORMANCE MONITORING



As a homeowner, we know that staying up to date on your space is of the utmost importance. We also know that there are places that are hard to access, or you might not think to regularly check, so it's hard to know when things go awry. Shipshape offers a unique waterproofing solution for those hard to reach places

Restore your peace of mind with Shipshape's performance monitor, perfect for sump pumps and dehumidifiers. Powered by AI technology, this modern solution keeps you up to date on your home so you can get back to worrying about what matters.

How It Works



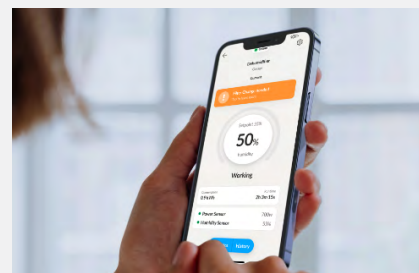
DESIGN SPECIALIST VISIT

- During your free estimate, ask your Design Specialist about whether Shipshape monitoring is the right fit for your home



INSTALLATION

- Your Shipshape monitor will be installed after your project installation
- Further instructions will be given at this time



BEGIN MONITORING

- Let our Service Dept. and Shipshape work in your favor
- Should you be alerted of service needed, chances are we already know! Someone will be in touch regarding your service appointment.



Notifies both you and our Service Dept. in real time



Works efficiently, directly from your phone

ICEGUARD®

PUMP DISCHARGE LINE ATTACHMENT



If your sump pump discharge line freezes, your basement can flood in winter even though your sump pump is running.

The IceGuard allows water to escape if sump pump discharge pipes freeze or become blocked for any reason. It is 100% automatic, so when there is no freezing, no water can escape through the IceGuard.

How It Works



ENGINEERED DESIGN

- Allows water to escape through its openings when pipes are blocked by ice or snow
- When it's not freezing outside, no water escapes through the openings



STANDARD DISCHARGE TRIPLESafe

- Economic solution
- Line is able to be moved as needed

BUBBLE POT / LAWNSCAPE

PUMP DISCHARGE LINE OUTLET



The Bubble Pot/LawnScape outlet is connected to the buried sump pump discharge pipes and allows water to run-off into the yard away from the house.



Safe to mow over and is camouflaged by the grass

WET BASEMENT SOLUTIONS

DEHUMIDIFICATION

HIGH EFFICIENCY DEHUMIDIFIER



The Aprilaire dehumidifier is a high capacity solution that can help you achieve complete comfort through humidity control. It removes the moisture from the air and sends dry air back throughout your home. The system uses automatic humidity sensing for efficient and effective removal of excess moisture from your home. American Waterworks is the only water control and foundation repair contractor to be an exclusive dealer for Aprilaire in the area.

How It Works



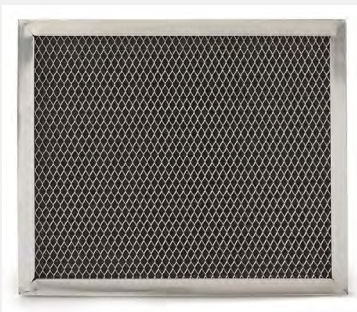
HUMIDITY CONTROL

- Automatic humidity sensing for quick removal of excess moisture and humidity from the air
- Can handle homes up to 5,500 square feet



EASY TO USE

- Built-in and easy to use control
- No messy trays to empty



AIR FILTRATION

- Can help filter out mold, mildew, viruses, and allergens
- MERV 11 filter available



Removes up to 100 pints
of moisture per day



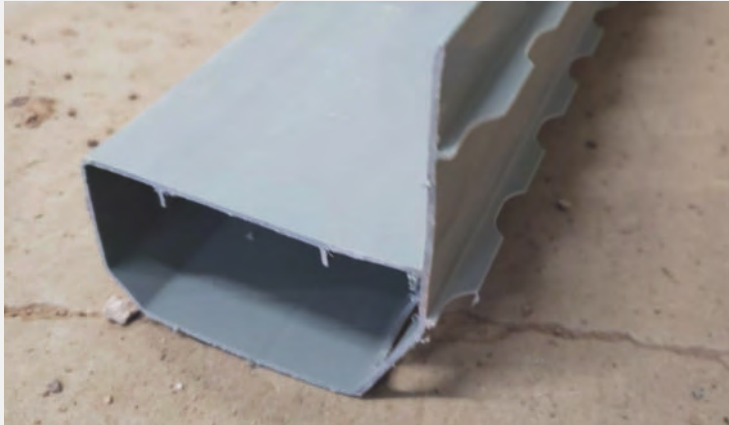
5-Year Warranty



Made in Madison, WI

WET BASEMENT SOLUTIONS

WATERGUARD® PERIMETER DRAIN SYSTEM



WaterGuard is a perimeter drain system specifically engineered to fix basement water problems effectively without the issues of clogging from soil and sediment.

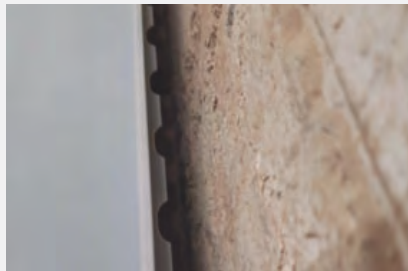
WaterGuard intercepts water at the perimeter of your basement and sends it away safely. The system can be used with our other products to keep your basement dry and clean, so you can use the space for living and storage.

How It Works



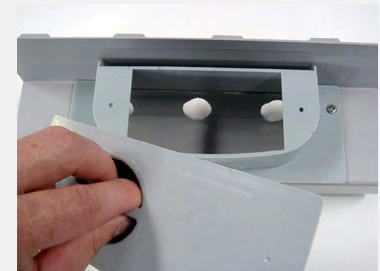
ENGINEERED DESIGN

- Does not sit in the dirt, to prevent clogging



WALL FLANGES

- Creates space between the floor and wall to drain wall leaks and seepage
- Does not allow debris to enter the system.



WaterGuard Port

- Allows easy inspection/maintenance of the WaterGuard system
- Access for dehumidifier drainage



Drains directly to sump pump



Works with all foundation types

CLEANSPACE® WALL

BASEMENT WALL VAPOR BARRIER



The CleanSpace Wall system is a quick and economical way to encapsulate basement walls. It stops water vapor from permeating the walls and moves the water from any leaks to the perimeter drain. This washable liner can conform to bumpy or cracked walls and is installed with permanent drilled-in fasteners. The CleanSpace Wall system is a bright and durable vapor barrier for any basement!

How It Works



ANTIMICROBIAL

- Manufactured with an additive called "UltraFresh" molded right into the material so mold can't grow



VAPOR BARRIER

- Stops water vapor from spreading through walls and sends leaks to the drain system



Creates a low humidity environment



Washable Material



Conforms to any wall type

WET BASEMENT SOLUTIONS

BASEMENT TO BEAUTIFUL® WALL PANELS



Basement-to-Beautiful wall panels are designed specifically to install in the basement, against foundation walls. These innovative panels enable your contractor to complete wall framing and insulating in a single step. More importantly, Basement-to-Beautiful panels can't rot, attract mold or be damaged by moisture – even if your basement happens to flood.

How It Works

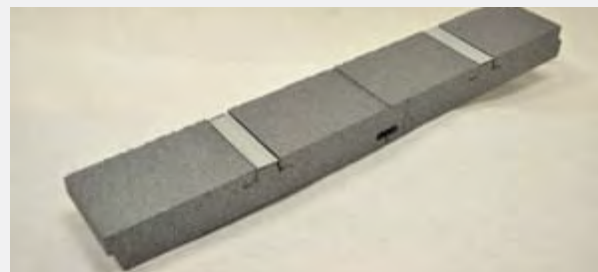


ZERO WOOD OR ORGANIC CONTENT

- Designed specifically for basements, these panels will stand up to the toughest conditions



Creates a low humidity environment



BUILT-IN WIRING CHANNELS

- Horizontal and vertical wiring channels make the job easy for your electrician



Compatible with all water control products in our system

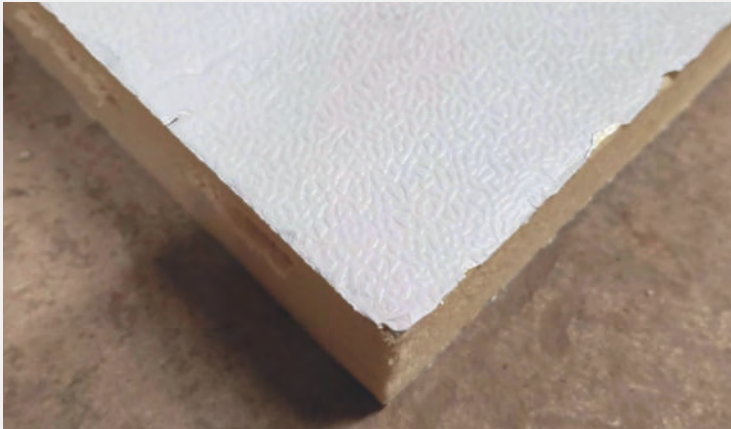


"We were very pleased with the work and repairs completed. The crew explained what procedures would be done as expected. The crew was respectful, courteous, and they cleaned up all the debris. I recommend using American Waterworks to fix your water problems!"

Kathy from Manly, IA

WET BASEMENT SOLUTIONS

FOAMAX® WALL INSULATION PANELS



Foamax is an advanced polyisocyanurate foam insulation panel designed with a white foil finish on the front and a foil vapor barrier on the back. The white finished face brightens the basement and the vapor barrier helps control basement humidity.

Foamax makes a big difference in the temperature of your walls, providing a comfortable basement and lowering heating costs.

EVERLAST WALL RESTORATION SYSTEM



We can repair your damaged basement walls permanently with our Everlast™ Wall Restoration System. This system includes inorganic framing and our vapor barrier, which works great with our other products, including, our drainage system and basement flooring. It also adds insulation to the basement, creating a warmer, more comfortable space.

RIMTIGHT

RIM JOIST INSULATION



RimTight insulation seals and insulates your rim joist. Spray foam is the best product for difficult to reach and tight areas because it seals properly.



- Saves energy - lower heating cost
- Reduces warm, humid air entering in summer - less condensation

EGRESS WINDOWS & WELLS SOLUTIONS

ROCKWELL™
WINDOW WELL



Building codes require that finished basement living areas have an emergency egress - an egress window large enough to allow safe exit out of the space in case of an emergency. A large window well with a step in it must also be used outside the egress window.

Here at American Waterworks, we are certified installers of RockWell egress window wells. In addition to providing a safe exit, our egress windows allow more natural light and fresh air into the basement to make the space feel larger and more inviting.



Our egress window wells meet the IRC Egress Code Requirements, providing you and your family with a direct escape from any of the inhabited rooms in your basement.



A polycarbonate safety cover keeps leaves and debris out while allowing natural sunlight and fresh outside air to enter your basement. While they are not intended for continual foot traffic, the 10mm fluted polycarbonate cover will hold up to 500 lbs.



RockWell has duplicated the look of real stone so you don't have to look out of your new basement windows at a plastic-looking well. These egress window wells add curb appeal and a pleasing view from both inside and outside the house.

FOUNDATION REPAIR

Your home is one of the largest investments you will ever make. Like everything in life, you want your home to be on a strong foundation, as it provides support for everything built on it. The more stable, solid, and secure your foundation, the more peace of mind you can have.

There are many reasons your home's foundation may sink, crack, and settle. These issues only get worse over time and cause stressful situations and distractions as you try to determine the cause, the cost, and the right contractor to fix them correctly the first time.

American Waterworks can help eliminate those distractions, so you can rest assured that your largest investment is protected. The foundation problems you are experiencing can be eliminated with a quality solution from a quality company. Your Home. Our Team. One Solution.

WHERE TO LEARN MORE

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BEFORE



AFTER

WHY FIX YOUR FOUNDATION?

1. The problem will get worse over time. A foundation issue never gets better on its own. The longer you wait, the more it will cost to fix down the road.
2. Resale value. Nobody wants to buy a house with a foundation problem.
3. Appearance. Foundation issues often cause unsightly cracks on the inside and outside of the home.
4. Door and window operation. When the foundation can't support the house, it sinks and shifts. This causes doors and windows to stick and jam.
5. Water intrusion. Cracks let water and moisture in, which causes damage to your home in many ways.
6. Safety. Collapsing foundations, falling bricks, and other potential hazards can cause serious safety issues around your home.

CAUSES OF FOUNDATION DAMAGE

There are many causes of foundation damage and settlement. Here is a guide to a few of the most common that may be impacting your home.



ACTIVE ZONE

The active zone refers to the soil beneath the surface that is most affected by changes in moisture. The density and moisture level of this area shifts as the seasons and climate change. The active zone may be just a few feet below grade or more than 30 feet below grade, depending on the geography beneath your home.



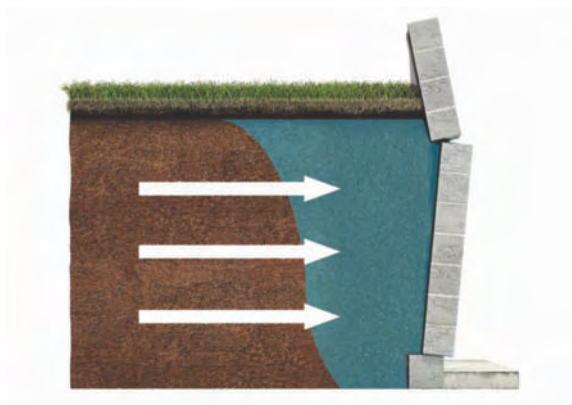
SOIL MOISTURE

Heavy rain and floods cause the soil surrounding your home to become wet and hold water. This makes the soil very soft and weak, causing the home to sink or shift down into it. Drought can also cause the soil to shrink, creating voids in which your home can settle.



IMPROPER FILL SOIL

During construction, the area around the home must be filled with loose dirt. When this fill soil is not compacted properly, it can compress under the weight of the home, causing settlement. Even the best job of compaction will not compress the soil equally with the undisturbed soil.



HYDROSTATIC PRESSURE

Hydrostatic pressure is the pressure exerted by fluid due to the force of gravity. As water saturates the soils around your home's foundation, that water puts pressure against the walls, impacting the stability of your home's foundation.

SIGNS OF FOUNDATION DAMAGE

These signs may indicate your home is experiencing a foundation problem.



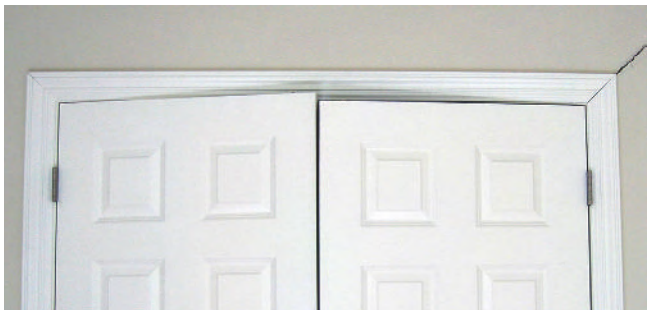
CRACKED FOUNDATION

Stair-step cracking is a typical sign of foundation settlement and damage. It is very common in brick and concrete block walls. The cracks widen as your home continues to settle.



WALL CRACKS

Interior wall cracks are a typical sign of foundation settlement and are very common in concrete poured walls. The cracks may be seen in your basement or other areas of your home.



STICKING DOORS

Your home's doors will often show signs of foundation settlement as they are the weakest part of your walls. This is why they are the first signs of foundation settlement and damage.



STICKING WINDOWS

Windows are another weak point and will often stick when foundation settlement is present. Caulk is often added to the gaps created by foundation damage, but will not treat the true cause.



SAGGING FLOORS

An uneven floor could be caused by sinking or heaving of the foundation floor due to settling or expansive soils. Over time, these problems can significantly damage your home.



SHEARING WALLS

Whether it's "just a little" or a few inches, shearing is urgent. Often, there will be stair-step cracking and visible water damage around the holes shearing created in the foundation.



BOWING WALLS

Cracked and bowing basement walls can develop immediately following construction or years later as changes occur within the soils that surround your home.



DRYWALL CRACKS

Cracks in drywall are a typical sign of foundation settlement and are very common above doorways and windows. The cracks may be most obvious in the upper levels of your home.

FOUNDATION SOLUTIONS

HELICAL PIER

FOUNDATION SETTLEMENT SOLUTION



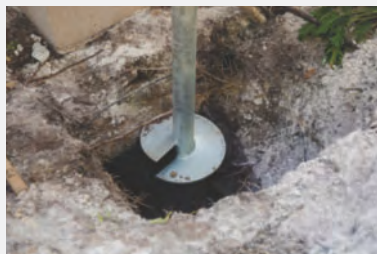
Helical Piers permanently stabilize your home's foundation, and can even lift your home back to proper level. Steel piers are screwed mechanically into the soil. The piers are installed to the appropriate capacities and depths, and a steel foundation bracket connects the helical piers to your footing. The weight of your home is transferred from the original, unstable soils, through the piers, to the competent soil or bedrock beneath.

How It Works



ENGINEERED DESIGN

- Round shaft has high resistance to bending
- Steel pier for high capacity



UNDERGROUND SYSTEM

- Concealed from sight
- Treats the problem at its source: the soil



REACHES COMPETENT SOIL

- Piers hydraulically screwed down to reach competent soil to stabilize home
- Can often lift foundation back toward level position



Effective with heavy and light loads



Steel pier extensions and brackets



Protects home against further movement

PUSH PIER

FOUNDATION SETTLEMENT SOLUTION



The Push Pier system permanently stabilizes the foundation of your home. Many times it can actually lift your home back to its original level. Tube sections, made from steel, are driven through steel foundation brackets using hydraulic pressure to reach the depths of competent load-bearing soil. The hydraulic method locks the piers into place and the weight of your home is transferred from the original, unstable soils, through the piers, to the competent soil or bedrock beneath.

How It Works



ENGINEERED DESIGN

- Steel pier for high capacity
- Round shaft has high resistance to bending



UNDERGROUND SYSTEM

- Treats the problem at its source; the soil
- Concealed from sight



REACHES COMPETENT SOIL

- Reaches competent soil to stabilize home
- Can often lift foundation back toward level position



Steel pier extensions
and brackets



Protects home against
further movement

FOUNDATION SOLUTIONS

POWERBRACE™ WALL REPAIR SOLUTION



The PowerBrace is a foundation wall repair system, designed to stabilize failing basement walls and provide the potential to straighten walls over time. These steel I-beams will stabilize the wall in its current position without any further adjustment.

The PowerBrace system can be tightened to make bowing or tilting walls straighter and more vertical over time.

How It Works



BRIDGE BRACKET

- Works with joists that run perpendicular to foundation wall
- Adjustable bracket allows for possible straightening or recovery over time



LEVER BRACKET

- Works with joists that run parallel to foundation wall
- Adjustable bracket allows for possible straightening or recovery over time



STEEL BEAMS

- Zinc plated coating won't rust or weaken in humid conditions
- Installed when external obstacles pose install issues



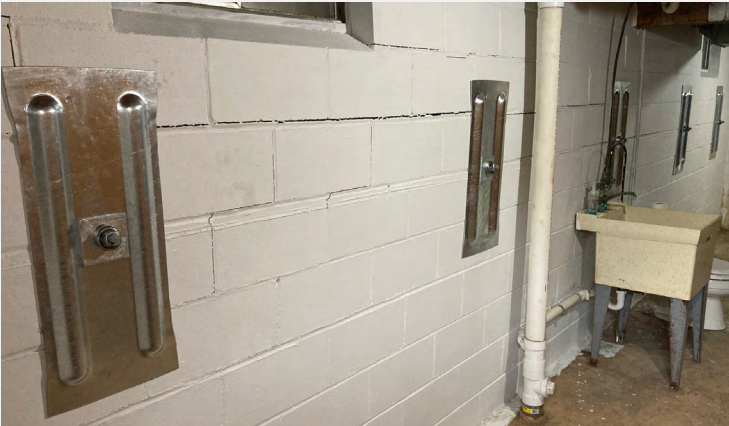
Can be installed year-round



Easily installed in one day

WALL ANCHOR

WALL REPAIR SOLUTION



The Wall Anchor system permanently stabilizes your foundation wall and in many cases can straighten your wall back toward its original position. Earth anchors are placed in stable soil away from your foundation wall, and are connected to galvanized wall anchor plates by long, steel rods. Once tightened, the anchors will hold the wall securely in position, and can be tightened to improve and even completely straighten your walls over time.

How It Works



EARTH ANCHOR

- Grabs the soil between the anchor and your foundation, bringing your wall back into place



GALVANIZED RODS

- Driven through the wall to connect earth anchor to interior wall plate



WALL ANCHOR PLATE

- Can be tightened in order to straighten wall and bring it back to its original position



Easily concealed during basement finishing projects



Galvanized steel will not rust



Minimal disturbance to lawn and landscaping

FOUNDATION SOLUTIONS

SHOTLOCK® WALL RESTORATION SYSTEM



ShotLock is a fiber-reinforced concrete material that is conveyed through a hose and pneumatically projected onto a wall surface. Due to the high force used to adhere it to the wall, ShotLock undergoes a significant compaction process during installation that produces more than two times the strength of regular concrete, making it the ideal solution for deteriorating basement walls.

How It Works



POWERBRACES

- Powerbraces are installed to shore up the existing foundation wall



SHOTLOCK

- ShotLock is installed, fully embedding the anchor system into the new wall



WALL ANCHOR PLATE

- Surface is smoothed and finished



Minimal disturbance to lawn and landscaping



Can be installed year-round

CARBONARMOR®

BASEMENT WALL REPAIR SOLUTION



The CarbonArmor system permanently stabilizes your foundation walls using fiber reinforced polymers, which are ten times stronger than steel, yet flexible enough to contour tightly against your basement wall. Rest assured that the CarbonArmor system will immediately stabilize your foundation walls and permanently protect against any further movement.

How It Works



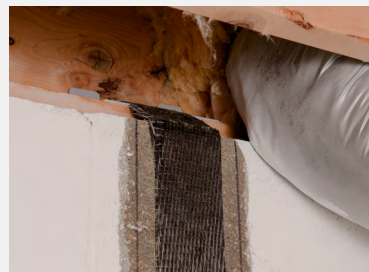
FIBER REINFORCED

- Flexible enough to contour tightly against your basement wall
- 10 times stronger than steel



PERMANENT SOLUTION

- Fast, non-invasive
- Ideal for quickly stabilizing bowing, cracked, and leaning walls



ARMORLOCK®

- Secures the CarbonArmor to your rim joist and prevents the wall from tipping
- Combined with CarbonArmor, this system will permanently stabilize your wall



Easily concealed during basement finishing projects



Quickly stabilizes walls



No disturbance to lawn and landscaping

FOUNDATION SOLUTIONS

SMARTJACK® FLOOR SUPPORT SYSTEM



The SmartJack is a high-capacity adjustable steel pier designed to stop settling and even raise your floor back up to where it was. We use a solid base of engineered fill to strengthen weak foundation soil and place the weight of the home onto competent soil beneath. Heavy-duty, threaded rods allow adjustments that give a custom fit to each SmartJack System we install.

How It Works



ENGINEERED FILL

- Hole is filled with tightly compacted crushed stone
- Supports pre-cast aluminum base



STEEL COLUMN

- Cut to the appropriate size to fit your home's needs
- Supports loads of more than 60,000 lbs. when installed



ADJUSTABLE DESIGN

- Once the components are assembled and connected to the girder, the SmartJack can be tightened into place.



Galvanized steel
will not rust



High Capacity



Immediate stabilization and lifts
over time as its adjusted.

CRAWL SPACE REPAIR

Your home is one of the largest investments you will ever make. You want your home's crawl space to be clean, dry, and usable. The more clean and dry your crawl space, the more confident you can feel about the area beneath your home.

Excess moisture in your home is a concern. This moisture can come from two places, either the ground or the air. Dirt floors and vented crawl spaces can let moisture in, cause the relative humidity to rise, and result in mold problems, water damage, and poor air quality throughout your home.

American Waterworks can help eliminate those problems, so you can rest assured that your largest investment is protected. The crawl space problems you are experiencing can be eliminated with a quality solution from a quality company.

WHERE TO LEARN MORE

[CAUSES OF CRAWL SPACE DAMAGE **PAGE 47**](#)

[SIGNS OF CRAWL SPACE DAMAGE **PAGE 49**](#)

[OUR SOLUTIONS FOR CRAWL SPACE DAMAGE **PAGE 51**](#)



BEFORE



AFTER

WHY FIX YOUR CRAWL SPACE?

1. The problem will get worse over time. A crawl space moisture issue never gets better on its own. The longer you wait, the more it will cost to fix down the road.
2. Resale value. Nobody wants to buy a house that has a crawl space moisture problem.
3. Health issues. Moisture in your crawl space can cause mold that can lead to respiratory problems for you and your family.
4. Air quality. When warmer air escapes your home's upper levels, the damp air from your wet crawl space is drawn upwards into your living areas.
5. Dust mites and mold spores absorb water out of the air, so if your humidity levels are high they can thrive in your home. Dust mites and mold spores are the two leading allergens triggering reactions in people with allergies and asthma.
6. Damage to hardwood floors. Moisture in your crawl space can lead to the floors on the first level of your home becoming soaked, resulting in buckling and warping.

CAUSES OF CRAWL SPACE DAMAGE

There are many causes of crawl space damage. Here is a guide to a few of the most common that may be impacting your home.



STACK EFFECT

There is always air movement between your crawl space and home. It is driven by the “stack effect” or convection. Warm air in the upper level of your home rises and is expelled through windows, vents, and cracks. As it rises, air from your crawl space rushes in to fill the vacuum. Air from your crawl space enters your home along with everything in it - odors, mold spores, and dust mite feces enter your living area.



VENTING

Crawl space vents are an old “solution” that actually cause a lot of problems for crawl spaces. Vents let in moisture, water, and air. This moisture causes walls, floor joists, and insulation to get wet with condensation. These vents are one of the biggest factors in raising relative humidity.



DIRT FLOORS

Water can leak through dirt crawl space floors and create huge moisture issues throughout your home. A dirt floor does not separate your home from the earth, which causes insects, pests, moisture, and mold to easily enter your home.



SETTLING DIRT

When a new home is built, loose soil is pushed back against the foundation walls. When this soil around your home settles, water can easily flow towards your foundation walls. Concrete, brick, and stone walls are porous, allowing water to enter your home.

SIGNS OF CRAWL SPACE DAMAGE

These signs may indicate your crawl space is experiencing a moisture problem.



MOLD & MILDEW

One of the more noticeable signs of moisture in your crawl space is the presence of mold. It can often be found on the floor joists and walls of your crawl space.



DAMP WALLS

Water can easily come through cracks and pores in your concrete crawl space walls.

Water that comes in from the edges of your foundation will also travel to the lower portions of your crawl space.



POOR INDOOR AIR

Low quality indoor air may indicate dust mites, mold spores, and other allergens in your crawl space. This contaminated air is pulled through your crawl space into your living area.



EFFLORESCENCE

This condition produces a white residue on the basement walls. Sometimes it sparkles. Efflorescence happens after a water leak and is caused by salt deposits left behind by the evaporating water.



FALLEN INSULATION

One of the easiest signs to notice in your crawl space is falling insulation. When there is too much moisture in your crawl space and the insulation becomes wet, it falls due to the added weight of the water.



STANDING WATER

Standing water in your crawl space is a clear indicator that harmful water is not draining away from the foundation. When this water accumulates too quickly in your crawl space it can cause many problems.



SAGGING FLOORS

Floors can sag when moisture builds up on the floor joists beneath. Sagging floors can be a sign of severe moisture issues and get worse over time if left untreated.



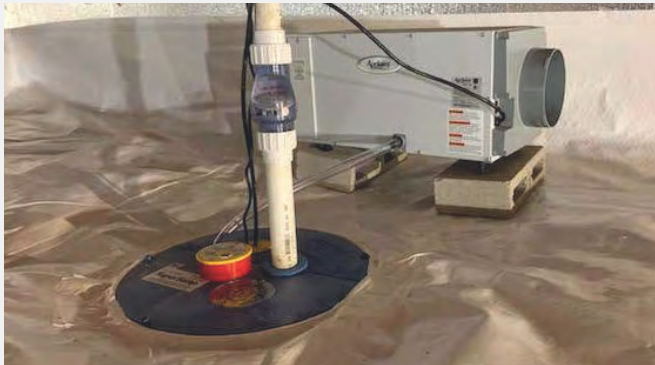
ROTING WOOD

Rotting wood means you should check for moisture problems. If wooden beams, or anything else made of wood begins to rot, you need to fix the source of the problem immediately.

CRAWL SPACE SOLUTIONS

SMARTSUMP

CRAWL SPACE SUMP PUMP



The SmartSump is designed just for crawl spaces. Its unique lid design allows water to fill the alarm pocket first, surrounding the WaterWatch alarm. Next, the water flows through an airtight floor drain so it can be pumped out of your crawl space.

SMARTDRAIN

PLUMBING LEAK SYSTEM



WaterWatch Alarm

- Alarm sounds when the bottom is wet, alerting you of a leak
- Powered by a standard battery



Zoeller M-53 1/3 hp Pump

- Float-operated and fully submersible

The SmartDrain alerts you to a leak with an audible alarm, and drains the water away to a drywell under the CleanSpace liner to protect against property damage. Running a condensate line allows for furnace or dehumidifier drainage.

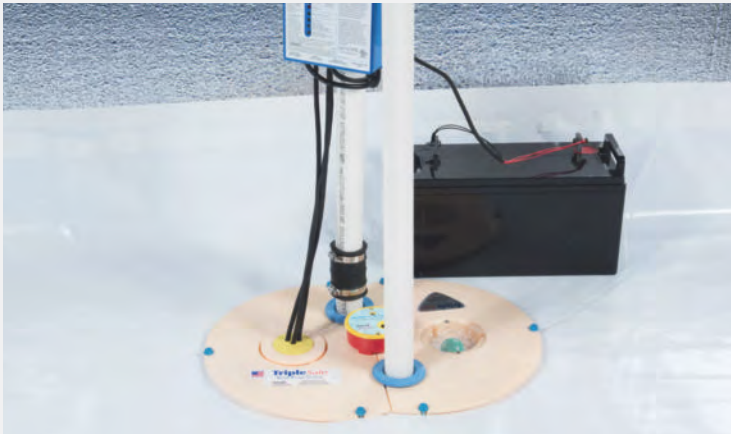


WaterWatch Alarm

- Alarm sounds when the bottom is wet, alerting you of a leak
- Powered by a standard battery

TRIPLESAFE SUMP SYSTEM

THE WORLD'S MOST RELIABLE PUMPING SYSTEM



A quality crawl space sump pump removes standing water from the space. The TripleSafe sump pump system keeps your crawl space dry with triple the protection.

The sump pump is typically installed in the lowest spot of the crawl space. Any water that gets into the space, such as rainwater, melting snow, or a plumbing leak, will naturally drain into the sump pump and will be pumped out and away from the foundation.

How It Works



PUMP 1

Zoeller M-53 1/3 hp Pump

- Primary pump used when removing water
- Efficient & Reliable



PUMP 2

Zoeller M-98 1/2 hp Pump

- Runs if primary pump fails, or if it can't handle the strong flow of water
- When working together the pumps remove 6,200 gallons of water each hour



PUMP 3

UltraSump Battery Back-Up Pumping System

- DC Operated Pump
- If power goes out, this pump turns on, powered by a battery, to remove water



Airtight floor drain



Removable lids for easy service WaterWatch



Alarm lets you know if there is an issue

CRAWL SPACE SOLUTIONS

ULTRASUMP

BATTERY BACK-UP PUMPING SYSTEM



The UltraSump provides peace of mind through power outages and primary pump failures. This battery back-up system will pump 12,000 gallons on new power pack.



DC Operated Pump

- If power goes out, this pump turns on, powered by power pack to remove water
- Optional double power pack configuration doubles water output

BUBBLE POT / LAWNSCAPE

PUMP DISCHARGE LINE OUTLET



The Bubble Pot / LawnScape outlet is connected to the buried sump pump discharge pipes and allows water to run-off into the yard away from the house.



- Safe to mow over and is camouflaged by the grass

ICEGUARD

PUMP DISCHARGE LINE ATTACHMENT



The IceGuard allows water to escape if sump pump discharge pipes freeze or become blocked for any reason. It is 100% automatic, so when there is no freezing, no water can escape through the IceGuard.

Without it, your crawl space can flood in winter even though your sump pump is running.

How It Works



ENGINEERED DESIGN

- Allows water to escape through its openings when pipes are blocked by ice or snow



100% AUTOMATIC

- When it's not freezing outside, no water escapes through the openings

CRAWL SPACE SOLUTIONS

DRAINAGE MATTING

CRAWL SPACE DRAINING CHANNEL



Drainage Matting is an extremely durable matting that creates a drainage space and thermal break between CleanSpace and the ground beneath your crawl space.

How It Works



FUNCTION

- Creates a channel for water to flow to the perimeter drain or sump pump
- Provides comfortable surface to crawl on
- Adds durability and puncture resistance



TerraBlock

- Can be installed on top of drainage matting to provide additional insulation.

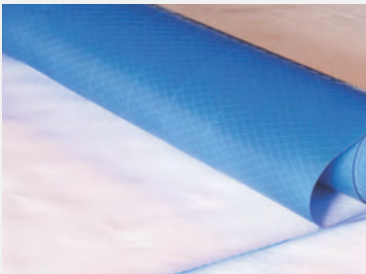
CLEANSPACE®

CRAWL SPACE VAPOR BARRIER



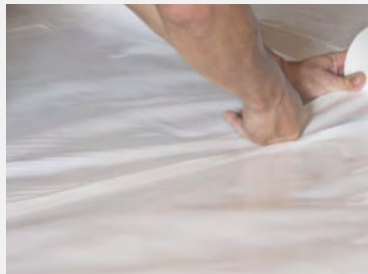
CleanSpace is a heavy 20-mil thick liner that acts as a vapor barrier for your crawl space. It is used to isolate the home from the earth completely and permanently. CleanSpace stops water vapor from permeating through the floor and walls. This washable liner is rip and tear resistant and adds a clean, bright, and usable storage space to any home.

How It Works



20-MIL THICK LINER

- Made of a high density polyethylene for puncture resistance, low density polyethylene for flexibility, and polyester cord



ANTIMICROBIAL

- Manufactured with an additive called "UltraFresh" molded right into the material so mold can't grow
- Extremely durable material



SMART PIPE

- Features a filter fabric with holes on the top and front to accept water from the soil and surface of your crawl space
- Collects water seepage from the crawl space walls and the footing/wall joint.



Creates a low humidity environment



Extremely durable material



Creates a usable storage space

CRAWL SPACE SOLUTIONS

FOAMAX[®]

WALL INSULATION PANELS



Foamax is an advanced polyisocyanurate foam insulation panel designed with a white foil finish on the front and a foil vapor barrier on the back. The white finished face brightens the crawl space and the vapor barrier helps control crawl space humidity.

Foamax makes a big difference in the temperature of your walls, providing a comfortable crawl space and lowering heating costs.

RIMTIGHT

RIM JOIST INSULATION



RimTight insulation seals and insulates your rim joist. Spray foam is the best product for difficult to reach and tight areas because it seals properly.



- Saves energy - lower heating cost
- Reduces warm, humid air entering in summer - less condensation

SMARTJACK

FLOOR SUPPORT SYSTEM



The SmartJack is a high-capacity adjustable steel pier designed to stop settling and even raise your floor back up to where it was. We use a solid base of engineered fill to strengthen weak foundation soil and place the weight of the home on to competent soil beneath. Heavy-duty, threaded rods allow adjustments that give a custom fit to each SmartJack System we install.

How It Works



ENGINEERED FILL

- Hole is filled with tightly compacted crushed stone
- Supports pre-cast aluminum base



STEEL COLUMN

- Cut to the appropriate size to fit your home's needs
- Supports loads of more than 60,000 lbs. when installed



ADJUSTABLE DESIGN

- Once the components are assembled and connected to the girder, the SmartJack can be tightened into place.



Galvanized steel
will not rust



High Capacity

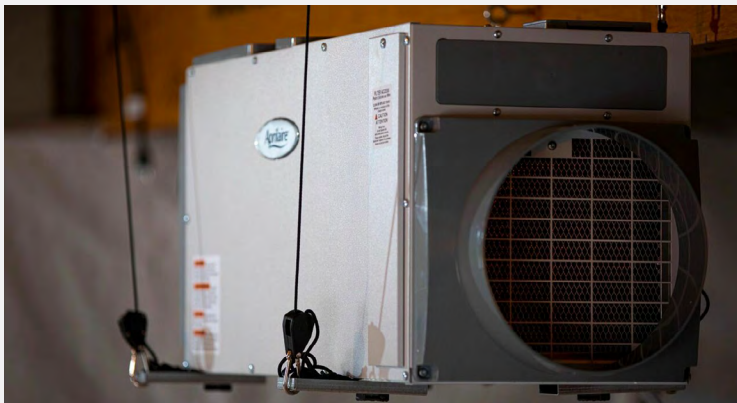


Immediate stabilization and
lifts over time as adjusted

CRAWL SPACE SOLUTIONS

DEHUMIDIFICATION

HIGH EFFICIENCY DEHUMIDIFIERS



The Aprilaire dehumidifier is a high capacity solution that can help you achieve complete comfort through humidity control. It removes the moisture from the air and sends dry air back throughout your home. The system uses automatic humidity sensing for efficient and effective removal of excess moisture from your home. American Waterworks is the only waterproofing and foundation repair contractor to be an exclusive dealer for Aprilaire in the area.

How It Works



HUMIDITY CONTROL

- Automatic humidity sensing for quick removal of excess moisture and humidity from the air



EASY TO USE

- Built-in and easy to use control
- No messy trays to empty



PROTECTION

- Five-year warranty



Removes up to 100 pints of moisture per day



Dehumidification for homes up to 5,200 square feet



Made in Madison, WI

RADON TESTING & MITIGATION

High radon levels are common throughout our region with Minnesota, North Dakota, and Iowa having some of the highest average radon levels in the country. With over 30 years of experience, American Waterworks state-certified and professionally trained radon mitigators can help protect your family and your home.



BEFORE

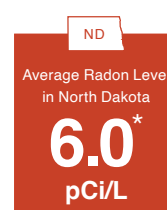
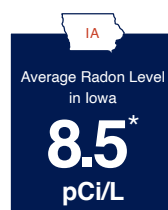
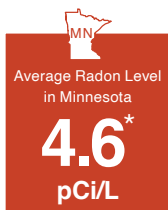


AFTER

WHAT IS RADON AND HOW DOES IT AFFECT YOU?

Radon is the by-product of uranium, a naturally occurring radioactive element, breaking down in the soil. Most soils contain uranium that, over time, decays to produce radium and polonium. Eventually, polonium is released with the radon, which creates a high toxicity level in the air and water that it infuses.

Radon is a naturally occurring radioactive gas that has become the second-leading cause of lung cancer -- second only to cigarette smoke. We cannot smell, taste, see, touch, or hear radon. Thus, it easily goes unnoticed. When this happens, everyone in the home becomes susceptible to contracting lung cancer. There are also very limited lung cancer symptoms. Even at that, they tend to lie dormant until becoming more severe.

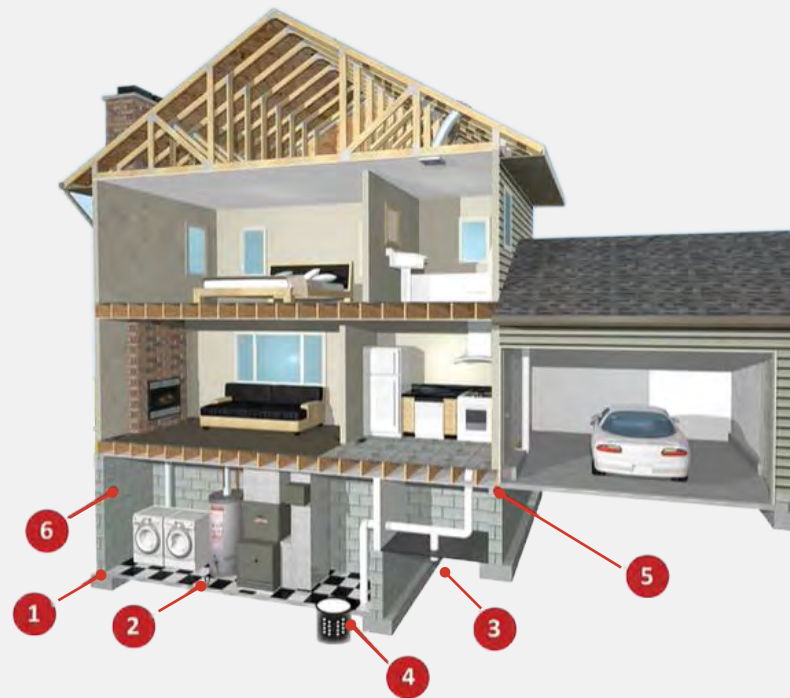


PROTECT YOUR HOME AND FAMILY

The EPA estimates .4 pCi/L as the national average for the outdoor air, while 1.5 pCi/L is the national average for the indoor air. Although these averages are seemingly quite low, even this 1.5 pCi/L could be problematic. When this amount is trapped within a home, it's far more concentrated than if it were outside.

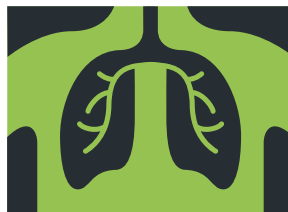
[High radon levels are common throughout our region with Minnesota, North Dakota, and Iowa](#) having some of the highest average radon levels in the country.

Radon levels are measured in picocuries per liter, or pCi/L. A measurement of 1 pCi/L is equal to 2.5 cigarettes each day. If your home has a reading of 4 pCi/L, which is the Environmental Protection Agency's required action level, every person is breathing in the equivalent of 10 cigarettes per day.



- 1 Floor - wall joints
- 2 Pores and cracks in concrete blocks or slabs
- 3 Exposed soil, such as in a crawl space
- 4 Sump basket
- 5 Open tops of block walls
- 6 Mortar joints

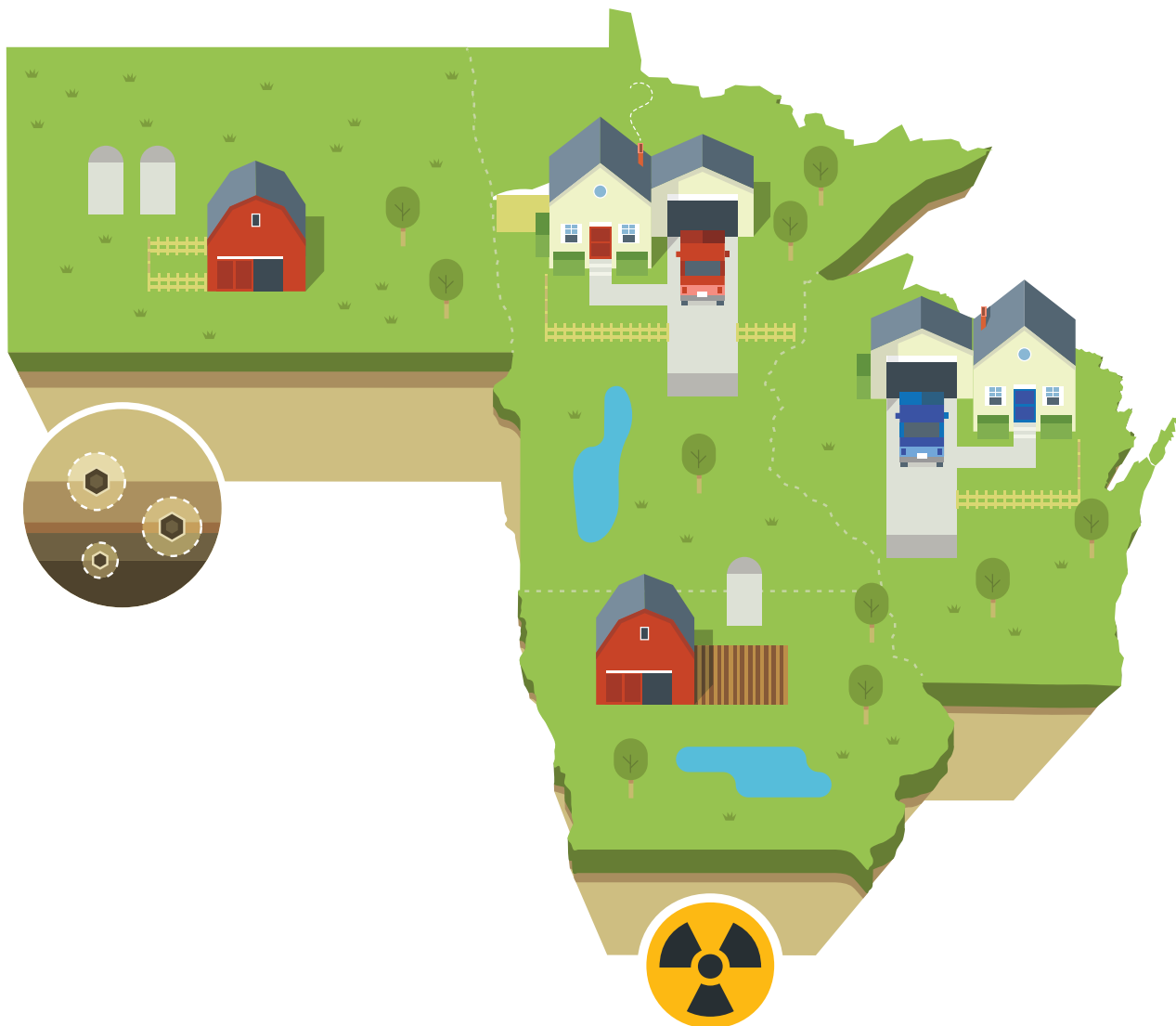
100
CHEST X-RAYS



... is the equivalent radiation exposure of 4.0 pCi/L. Hospitals try to limit patients to less than 4 x-rays per year.

SIGNS OF RADON

Radon is invisible, odorless, and tasteless. It can only be detected by testing your home and has been linked to over 20,000 lung cancer-related deaths each year. Don't wait until you're forced to mitigate when selling your home. Take action now to protect yourself and your family from the dangers of radon.



RADON SOLUTION

Each radon mitigation system design varies depending on the structure of your home. Homes are generally categorized according to their foundation design. The existence of a basement, crawl space, or slab all determine the proper mitigation system needed. The following procedures are taken in most instances:

1. Forces need to be redirected from the "stack effect".

The stack effect draws air from beneath your home and up into your living space. Depressurizing the soil beneath the structure allows for the radon gas to be redirected.

2. The radon gas is redirected. A hole is drilled into the slab, crawl space, or surrounding earth to create a suction point (sometimes more than one suction point is needed). The radon gas is vented through a PVC pipe that is connected to the hole. The pipe can be installed through the house or outside.

3. The radon gas is vented out, away from your home. The pipe is connected to a fan in the attic or to the top of the structure for proper ventilation.

4. Radon entry points are sealed. To resist gas entry, cracks are sealed using a urethane caulking compound.

5. A final system checklist is performed. Your technicians are trained and certified to inspect the entire radon mitigation system after it has been installed to make sure it complies with industry standards. Proper system labeling and proper fan operation are checked, along with other key system details.

6. Retesting for radon. Retesting is done within 30 days of the system installation to ensure the system is working effectively.



CONCRETE REPAIR

Your home is one of the largest investments you will ever make. You want your home's concrete to be stable, safe, and secure. The more stable and secure your concrete, the more confident and peaceful you can feel.

There are a variety of reasons your home's concrete may crack, sink, and settle over time. This creates distractions and causes stressful situations, as you try to determine the cause, the cost, and the right contractor who will fix it right the first time.

American Waterworks can help eliminate those distractions, so you can rest assured that your largest investment is protected. The concrete problems you are experiencing can be eliminated with a quality solution from a quality company.

WHERE TO LEARN MORE

[CAUSES OF CONCRETE DAMAGE **PAGE 67**](#)

[SIGNS OF CONCRETE DAMAGE **PAGE 69**](#)

[OUR SOLUTIONS FOR CONCRETE DAMAGE **PAGE 71**](#)



BEFORE



AFTER

WHY FIX YOUR CONCRETE?

1. The problem will get worse over time. A concrete issue never gets better on its own. The longer you wait, the more it will cost to fix down the road.
2. Resale Value. Nobody wants to buy a house that has a serious concrete problem.
3. Appearance. Concrete issues often include unsightly cracks that hurt the curb appeal of your home.
4. Water Intrusion. Cracks in concrete can let water into your home, which can cause damage to your home.
5. Safety. Settling concrete around your home can create significant trip hazards for those who walk on them. This puts the homeowner at risk of liability for injuries or accidents.

SIGNS OF CONCRETE DAMAGE

These signs may indicate your concrete is in need of some repairs.



SINKING SIDEWALKS

Settling sidewalks around your home can create trip hazards. They are among the most common places to see settling and get worse over time.



UNEVEN DRIVEWAY

Sinking driveway slabs are a common problem for homeowners. These slabs are likely to settle because of the added weight of the large slab, and the weight of the vehicles parked and driven on them.



CRACKED CONCRETE

Cracked concrete may be the first sign of a settling slab. As part of a slab starts to sink, it breaks off from the rest of the slab. These cracks only get worse over time.



SETTLING PORCH

A settling porch takes away from your home's curb appeal and gets worse over time. It can also create dangerous trip hazards for those entering the home.



CRACKED OR UNEVEN GRAINBIN

Grain bins can begin to sink under extreme weight. Sinking bins can cause stress on the structure and could create an unsafe working environment.



VOIDS UNDER CONCRETE

When the soil under a concrete slab settles or is washed away, it creates a void. Untreated, these voids cause the concrete to settle and sink.



SINKING STAIRS

Sinking stairs don't just detract from the look of your home's exterior and curb appeal. They can also create dangerous trip hazards for those entering the home. Untreated, these voids cause the concrete to settle and sink.

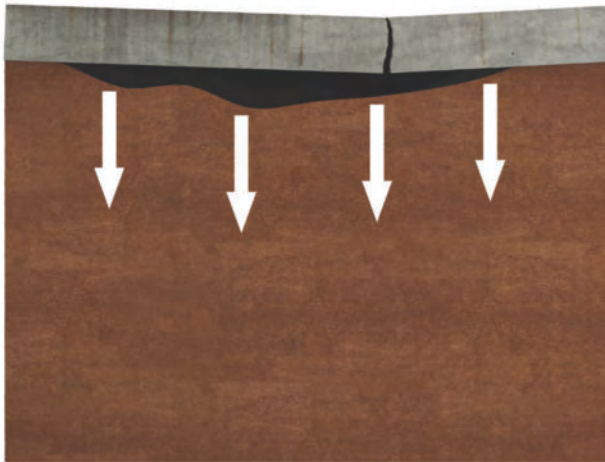


SETTLING GARAGE FLOOR

Concrete slabs in a garage are likely to settle because of the added weight of the large slab, as well as the weight of the vehicles. This sinking is easy to see along the bottom of your walls below the base board.

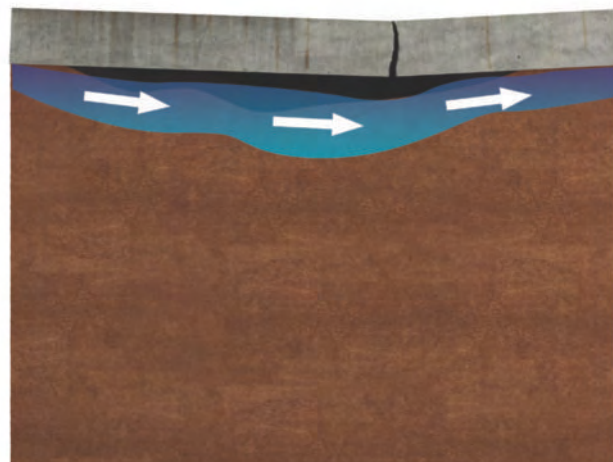
CAUSES OF CONCRETE DAMAGE

Concrete is very heavy! When the soils underneath a slab cannot support its weight, the slab sinks. If part of the concrete slab is supported and other parts are not, the unsupported sections crack away and sink resulting in an uneven surface. Below you will see the two most common causes of concrete damage.



SOIL COMPACTION & SETTLING

When a soil's load-bearing capacity is exceeded, the soil compacts and settles. As the soil expands and contracts beneath your concrete slab, the slab will sink and heave. This can also cause cracking in one or more parts of the slab.



SOIL WASHOUT

As water moves through the ground under your concrete slab, it can begin to wash away the supporting soils holding up your concrete. As this soil washout continues, it creates voids and empty space under the slab. Over time, those voids grow and your concrete begins to sink or cave in.

CONCRETE SOLUTIONS

POLYLEVEL®

POLYURETHANE CONCRETE LIFTING



PolyLevel is a high-density polyurethane formula that stabilizes and lifts sinking concrete slabs. Small holes are drilled into the slab, and the structural-grade polymer is injected into the void. The expanding properties of the polyurethane allow for an accurate leveling of the slab. The PolyLevel system will immediately raise your sinking concrete slab. This state-of-the-art technique is the most effective and longest lasting solution.

How It Works



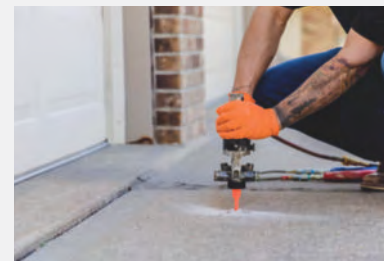
HIGH-DENSITY POLYMER

- Structural-grade polyurethane allows for the lifting of extremely heavy loads



MINIMAL DISRUPTION

- Installation method requires only pencil-sized holes for injection (compared to 3" holes for other methods)



EFFECTIVELY LIFTS SETTLED:

- Driveways
- Sidewalks
- Porches
- Garage Floors
- Patios
- Stairs
- And More!



Lightweight solution adds minimal weight to existing soil



More affordable than other concrete repair options



Ready to be driven on in 15 minutes

CONCRETE SOLUTIONS

NEXUSPRO® CONCRETE CRACK SEALANT



NexusPro is a silicone-based sealant for joints and cracks, it is specially engineered to provide flexibility and long-lasting durability. It is able to stand up to harsh weather conditions, unlike traditional polyurethane sealants. NexusPro resists UV rays, which means it won't ever crack, bubble or dry out. Because it is silicon based, curing time is also a fraction of that needed for other caulking products.

How It Works



SILICON BASED

- More flexible and durable than other sealants
- UV Resistant



FILLS & SEALS CRACKS IN:

- Driveways
- Sidewalks
- Porches
- Garage Floors
- Patios
- Stairs
- And More!



Can be used with the PolyLevel system



Not affected by extreme temperatures



Cures in just 60 minutes

SEALANTPRO®

CONCRETE SEALER APPLICATION



Protect your concrete from the elements with a coat of SealantPro concrete sealer. Without protection, your concrete will inevitably discolor, flake and crack. This not only reduces curb appeal, but creates safety issues.

Our team of experts are able to enhance and extend the life of your new or existing concrete.

How It Works



HIGH DURABILITY

- UV resistant and won't discolor over time
- Permanently protects with just one application



Reduces ice bonding, making ice removal easier



STAIN RESISTANT

- Resists stains - keeps liquids such as oil or gasoline from penetrating the surface



Does not need to be reapplied



LONG LIFE-SPAN

- Adds value to your home by extending the life of concrete structures by 3-5 times



Can be used with the PolyLevel system

SERVICE DEPARTMENT

While we have the best crews install the best products available, every system needs a little upkeep. Regular maintenance and care of your American Waterworks system can greatly reduce emergency service calls, ensure the system is working effectively and increase the normal expected life-span of your system. Every annual maintenance includes a full inspection and complimentary basement protection evaluation.



WATER CONTROL

Cycle & water test sump pump operations. Clean sump system liner of sediment and silt. Change battery in the WaterWatch® alarm. Flush & flood test WaterGuard® system as necessary. Evaluate discharge line(s) & potential for freezing.



WALL STABILIZATION

Re-tighten to appropriate torque. Evaluate PowerBrace and/or wall anchor plates. Benchmark the position of wall(s) at each location. Remove excess anchor rod. Perform an inspection of foundation, grading & gutters.



DEHUMIDIFICATION

Check relative humidity set point. Inspect filter. Clean heat exchange core & evaporator coil.



"We appreciate the annual inspection of our sump pump and discharge line. They also inspected the foundation for any possible problems. We especially appreciate that the technicians are always prepared to do the inspections with the necessary equipment and part replacements just in case."

-Customer in Byron, MN

COMMERCIAL DIVISION

American Waterworks specializes in commercial foundation repair and stabilization as well as concrete lifting and leveling. We provide geotechnical solutions such as:

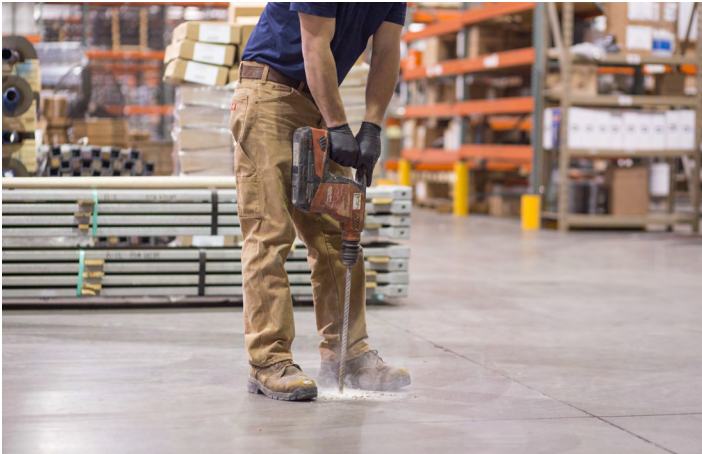
- Helical Piles
- Helical / Tieback Anchors
- Push Pier / Underpinning Systems
- PolyLevel® Concrete Lifting
- Waterproofing

We have experience working on a variety of commercial and residential projects:

- General Contractors
- State and Local Governments
- Engineering Firms
- Medical Services
- Schools, Colleges & Universities
- Retail Facilities
- Industrial Buildings
- Property Management Companies

COMMERCIAL PROJECTS

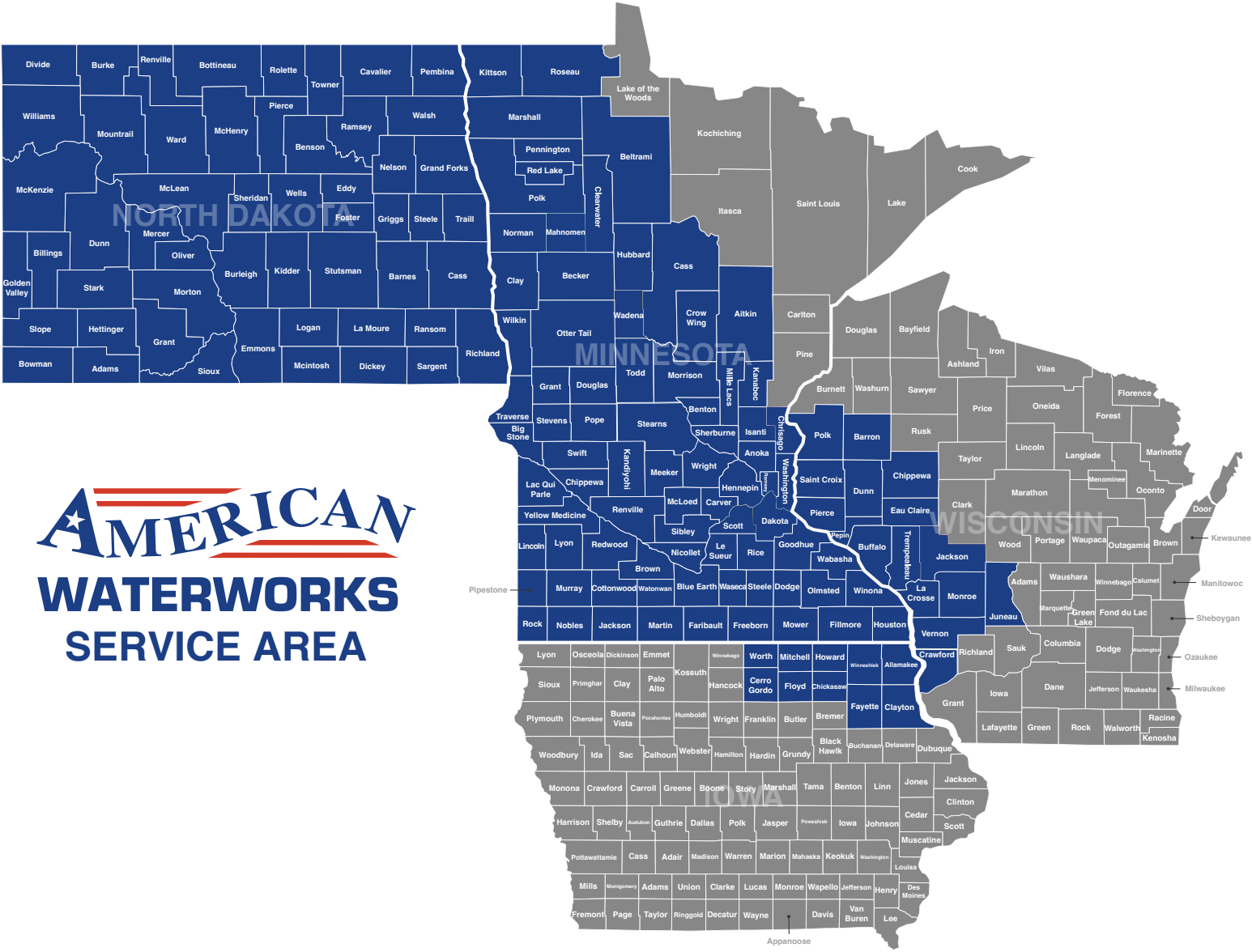
CONCRETE LIFTING - POLYLEVEL



STRUCTURAL SOLUTIONS



Learn more about our commercial services at American-Waterworks.com



AMERICAN
WATERWORKS
SERVICE AREA

MINNESOTA

Anoka	Murray
Altkin	Nicollet
Beltrami	Nobles
Blue Earth	Olmsted
Big Stone	Otter Tail
Brown	Pine
Carver	Pipestone
Chippewa	Pope
Chisago	Ramsey
Cottonwood	Redwood
Dakota	Renville
Dodge	Rice
Douglas	Rock
Faribault	Scott
Fillmore	Sherburne
Freeborn	Sibley
Goodhue	Stearns
Grant	Steele
Hennepin	Stevens
Houston	Swift
Isanti	Wabasha
Jackson	Watsonwan
Kanabec	Winona
Kandiyohi	Wright
Lac qui Parle	Yellow Medicine
Le Sueur	
Lincoln	WISCONSIN
Lyon	Barron
McLeod	Buffalo
Martin	Burnett
Meeker	Chippewa
Mower	Crawford

Dunn
Eau Claire
La Crosse
Polk
Pierce
Pepin
Saint Croix
Trempealeau
Vernon

IOWA

Allamakee
Bremer
Cerno Gordo
Chickasa
Fayette
Floyd
Howard
Mitchell
Winneshiek
Worth

NORTH DAKOTA

Adams
Barnes
Benson
Billings
Bottineau
Bowman
Burke
Burleigh

Cass
Cavalier
Dickey
Divide
Dunn
Eddy
Emmons
Foster
Golden Valley
Grand Forks
Grant
Griggs
Hettinger
Kidder
LaMoure
Logan
McHenry
McIntosh
McKenzie
McLean
Mercer
Morton
Mountrail
Nelson
Oliver
Pembina
Pierce
Ramsey
Ransom
Renville
Richland
Rolette

Sargent
Sheridan
Sioux
Slope
Stark
Steele
Stutsman
Towner
Traill
Walsh
Ward
Wells
Williams



PURPOSE

Our purpose is not only to redefine our industry, but to be a leader in the communities we serve by sharing our time, talents, and resources.

We believe fulfilling work creates fulfilling lives!

MISSION

To improve the lives of our customers, team, and community through education and delivering trusted solutions.

VALUES

One team. Show up. Driven to be the best.

800.795.1204 | american-waterworks.com

BASEMENT WATERPROOFING ★ FOUNDATION REPAIR ★ RADON MITIGATION

CRAWL SPACE AND CONCRETE SOLUTIONS



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Improving the lives of our customers, team, and community through
education and delivering trusted solutions.