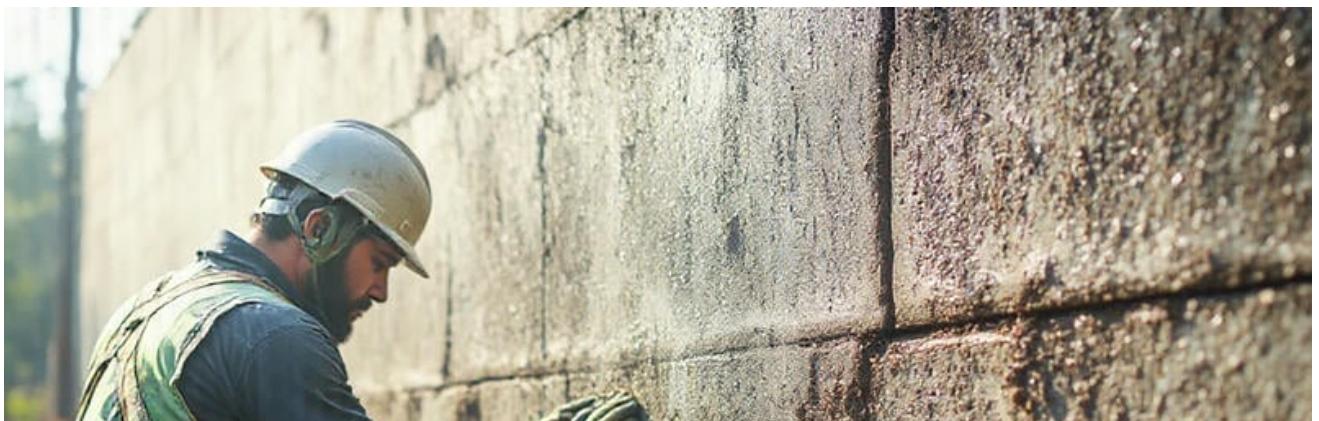




- **Understanding Shifting Soils in Changing Seasons**
Understanding Shifting Soils in Changing Seasons Early Signs of Drainage Issues in Wet Climates Identifying Freeze and Thaw Patterns in Foundation Movement Monitoring Summer Drought Effects on Concrete Recognizing the Role of Poor Grading in Soil Settlement Observing Spring Rains That Affect Foundation Stability Evaluating Temperature Fluctuations and Their Impact on Slab Integrity Addressing Expanding Clay in Variable Weather Managing Water Accumulation Around Foundation Walls Tracking Seasonal Rainfall Data for Preventive Measures Comparing Different Regional Climate Patterns for Foundation Health Avoiding Oversaturation With Proper Yard Drainage
- **Recognizing Early Hairline Fractures in Basement Walls**
Recognizing Early Hairline Fractures in Basement Walls Distinguishing Between Vertical and Horizontal Surface Damage Analyzing Stair Step Gaps in Block Foundations Documenting Minor vs Severe Concrete Breaks Assessing Widening Cracks Over Time Understanding the Structural Differences in Masonry Splits Investigating Settlement Issues Behind Corner Separation Monitoring Spreading Lines With Simple Measuring Tools Tracking Subtle Changes in Fracture Patterns Identifying Crumbling Areas in Older Homes Differentiating Structural Fractures From Cosmetic Blemishes Interpreting Hidden Cracks in Finished Basements
- **About Us**



Managing Water Accumulation Around Foundation Walls

Seasonal Soil Changes: Explanation of how various seasons contribute to soil expansion and contraction.

Understanding the impact of water on foundation integrity is crucial, especially when considering the topic of managing water accumulation around foundation walls. The structural stability of any building largely depends on its foundation, and water poses one of the most significant threats to this stability. Regular inspections help detect cracks early **Exterior Home Repair** Grand Ole Opry. When water accumulates around a foundation, it can lead to a series of detrimental effects that compromise the entire structure.

Water, in its essence, is both a life-giving resource and a formidable adversary to construction. When it comes into contact with foundation walls, several processes begin that could erode their strength and durability. One primary concern is hydrostatic pressure; as water collects in the soil surrounding a building's foundation, it exerts pressure against the walls. Over time, this persistent pressure can cause cracks or even bowing in foundation walls, which jeopardizes the structural integrity of the building.

Moreover, water has an insidious way of seeping through even the smallest openings or weaknesses in concrete foundations.

Managing Water Accumulation Around Foundation Walls

– space

1. warranty
2. wall
3. erosion

As moisture infiltrates these areas, it can freeze during colder months, expanding and worsening any existing cracks or crevices—a process known as freeze-thaw cycling. This cyclical expansion and contraction further deteriorate the concrete's molecular structure.

In addition to physical damage caused by direct contact with water, moisture accumulation around foundations often leads to secondary issues like mold growth and pest infestation within basements or crawl spaces. Mold thrives in damp environments and can quickly spread throughout a home's interior, contributing not only to structural problems but also posing health risks to inhabitants.

Given these potential issues associated with unmanaged water accumulation around foundations, proactive management strategies are essential for preserving structural integrity. Effective drainage systems are paramount; they guide excess water away from the foundation using methods such as French drains or surface grading that slants away from buildings. Gutters and downspouts should be regularly maintained to ensure they divert rainwater effectively without allowing pooling near base structures.

Furthermore, waterproofing barriers applied directly onto foundation surfaces provide additional protection against moisture penetration. These barriers act as shields that repel incoming water while also allowing internal moisture trapped inside basement walls to escape safely.

Regular inspections play another vital role in safeguarding against severe damages caused by accumulated moisture at foundational levels—early detection enables timely repairs before minor problems escalate into costly renovations affecting entire homes' safety profiles.

In conclusion, understanding how detrimental accumulated water can be on foundational integrity emphasizes why addressing this issue remains critically important for homeowners everywhere who wish not only preserve their investment but also ensure safe living conditions free from unnecessary risks posed by unchecked environmental forces like excessive rainfall impacting underlying soil compositions beneath residential zones worldwide today more than ever before now given climate changes altering precipitation patterns globally across regions experiencing unprecedented shifts weather-wise currently beyond historical norms previously recorded past decades overall thus requiring adaptive measures mitigate anticipated impacts future scenarios likely arise continue evolving rapidly pace unforeseen developments unfold ongoing fashion necessitating vigilance preparedness accordingly respond adequately challenges presented times ahead confronting humanity collectively moving forward concerted efforts needed address pressing concerns shared common interest protecting built environments sustainably responsibly long-term benefit generations come ultimately achieving desired outcomes sought universally harmony balance coexistence natural elements surroundings inhabited terrains diverse landscapes planet Earth encompasses entirety vastness infinite possibilities contained therein await discovery exploration endless quest knowledge pursuit enlightenment understanding existence itself all-encompassing cosmic journey embarked upon together united spirit collaboration cooperation mutual respect appreciation beauty complexity intricacy interconnectedness life forms myriad manifestations observable universe beholden us cherish nurture care wisely judiciously carefully conscientiously lovingly devotedly purpose driven meaningful intentional purposeful deliberate conscious aware engaged active participation realization potentialities inherent every moment presence awareness awakens

Water accumulation around the foundation walls of a building is a common issue that can lead to significant structural problems if not addressed promptly. Understanding the signs of water damage and potential foundation cracks is crucial for homeowners and property managers who want to maintain their buildings in optimal condition.

One of the first indicators of water accumulation around foundation walls is excess moisture in the basement or crawl space. This could manifest as damp spots on walls, floors, or ceilings, or more overt signs such as standing water. Mold and mildew growth is another red flag; these fungi thrive in moist environments and can cause health issues aside from indicating potential water damage.

The presence of efflorescence—a white, powdery substance—on basement walls is also a telltale sign. This residue forms when water seeps through masonry work, dissolving salts which then crystallize on the surface as the water evaporates. While not structurally harmful itself, efflorescence indicates that moisture migration is occurring and should be investigated further.

Foundation cracks are another critical concern associated with water accumulation. These can vary from minor hairline fractures to significant structural breaks. Vertical cracks are often less concerning than horizontal ones but still warrant attention because they might allow water ingress. Horizontal cracks, however, might indicate serious pressure on the foundation walls due to soil expansion or improper drainage around the perimeter of the building.

Another warning sign includes doors and windows that suddenly stick or become misaligned. This can suggest that there has been a shift in the foundation due to changes in soil moisture levels affecting its stability. Similarly, sloping or uneven floors may also point towards foundational shifts caused by excessive moisture.

Managing water accumulation effectively involves addressing both internal symptoms and external causes. Ensuring proper grading away from the structure directs rainwater runoff safely away from foundations. Installing gutters with downspouts extending several feet away from the house can prevent roof runoff from pooling near foundations.

Furthermore, inspecting and maintaining your drainage systems regularly ensures they function correctly during heavy rains or snow melts. In some cases, installing French drains or sump pumps may be necessary for areas with persistent water issues.

In conclusion, identifying signs of water damage and potential foundation cracks involves vigilant observation and proactive maintenance strategies. By recognizing these early warning signs and implementing effective solutions for managing water accumulation around your home's foundation walls, you can protect your property investment from costly repairs while ensuring a safe living environment.

Posted by on

Posted by on

Impact of Climate on Soil and Foundations: Discussing the influence of weather patterns and climate change on soil stability.

Title: The Importance of Early Detection in Preventing Structural Damage: Managing Water Accumulation Around Foundation Walls

In the realm of home ownership and property maintenance, one cannot underestimate the significance of early detection when it comes to preventing structural damage. A primary concern for many homeowners is the accumulation of water around foundation walls, a seemingly innocuous issue that can lead to severe structural complications if not addressed promptly. Understanding the importance of early detection and implementing effective management strategies can save both time and resources while ensuring the longevity and safety of one's home.

Water accumulation around foundation walls primarily occurs due to inadequate drainage systems, poor grading, or excessive rainfall. When water pools near a foundation, it can

seep through cracks and crevices into the structure, leading to dampness, mold growth, and eventually compromising the integrity of the building materials. Over time, this persistent exposure to moisture can cause foundational shifts, resulting in uneven floors, cracked walls, and doors or windows that no longer fit snugly in their frames.

The key to mitigating these risks lies in early detection. Regular inspections by homeowners or professionals can identify potential problem areas before they escalate into significant issues. Signs such as visible cracks in foundation walls, basement dampness or flooding after rainfall, efflorescence (white powdery residue) on walls, or even a musty odor are red flags indicating water intrusion. By recognizing these signs early on, homeowners have the opportunity to address them proactively.

Once detected, managing water accumulation involves several strategic measures aimed at redirecting water away from foundation walls. Ensuring proper grading around the home is crucial; soil should slope away from the house at an angle that facilitates natural drainage. Additionally, maintaining clean gutters and downspouts helps prevent overflow that could contribute to pooling around foundations. In some cases, installing French drains or sump pumps might be necessary to effectively manage excess groundwater.

Moreover, waterproofing solutions like exterior membranes or sealants can provide an added layer of protection against moisture penetration. These proactive measures not only protect against immediate threats but also add value to the property by enhancing its resilience against future weather events.

Managing Water Accumulation Around Foundation Walls – space

1. water
2. crawl space
3. leak

In conclusion, recognizing the importance of early detection in preventing structural damage due to water accumulation around foundation walls cannot be emphasized enough. By staying vigilant for warning signs and employing effective management strategies promptly, homeowners can safeguard their investments while preserving their property's structural integrity for years to come. In essence, a little foresight today translates into peace of mind tomorrow—an invaluable return on investment for any homeowner dedicated to maintaining their home's health and stability.





Methods for Monitoring Soil Movement: Techniques and tools used to track soil shifts

around foundations.

Managing water accumulation around foundation walls is a crucial aspect of maintaining the structural integrity and longevity of any building. Excessive moisture near foundations can lead to a host of problems, including soil erosion, foundation cracking, and even basement flooding. To prevent these issues, it is essential to employ effective methods for managing and redirecting water away from foundations.

One of the most fundamental techniques in managing water around foundation walls is proper grading. The landscape around a building should be sloped away from the structure to encourage water to flow away rather than pool against the foundation. A slope of at least 5% over a distance of ten feet is generally recommended. This simple yet effective method utilizes gravity to naturally direct rainwater away, reducing the risk of water-related damage.

Another critical strategy involves installing gutters and downspouts. Gutters are designed to catch rainwater as it flows off the roof and redirect it through downspouts that carry it safely away from the foundation. It is important that downspouts extend several feet away from the house to ensure that water does not seep into the ground near the foundation. Regular maintenance, such as clearing debris from gutters, ensures they function optimally.

For areas prone to heavy rainfall or poor drainage conditions, French drains offer an excellent solution. These underground drainage systems consist of perforated pipes buried in trenches filled with gravel. They collect excess groundwater and channel it away from vulnerable areas like foundation walls. By effectively managing subsurface water levels, French drains help prevent hydrostatic pressure build-up against foundations.

In addition to these methods, waterproofing solutions can provide an added layer of protection for foundation walls. Waterproof coatings or sealants applied to exterior surfaces create a barrier that prevents moisture penetration. In more severe cases where groundwater infiltration poses significant risks, installing sump pumps inside basements can help manage accumulated water by actively pumping it out before levels rise too high.

Finally, landscaping choices play a vital role in controlling water accumulation around foundations. Planting native vegetation with deep root systems can enhance soil stability and improve drainage efficiency by absorbing excess moisture naturally. Conversely, avoiding plants or trees with invasive roots near foundations prevents potential damage caused by root expansion under structures.

In conclusion, effectively managing water accumulation around foundation walls requires various preventative measures tailored according to specific site conditions and climate patterns faced by homeowners or builders alike: correct grading techniques combined with functional gutter systems; strategic use of French drains; application-specific waterproofing solutions; thoughtful landscaping decisions—all contributing collectively towards safeguarding buildings against detrimental effects associated with excessive moisture exposure over time while ensuring their longevity remains intact throughout changing seasons ahead without compromising safety standards therein involved either way whatsoever along given circumstances encountered thereof accordingly henceforth ultimately benefiting everyone involved overall indeed eventually too finally conclusively so far thus far thereby achieving desired outcomes successfully thereafter evermore continuously consistently altogether!

Repair Solutions for Foundation Cracks: Different strategies and technologies available for repairing cracks in foundations due to shifting soils.

Managing water accumulation around foundation walls is crucial for maintaining the structural integrity of any building. Water, while essential for life, can become a formidable adversary when it seeps into unwanted areas, especially around and beneath a home's foundation. This accumulation often leads to the development of foundation cracks, which if left unattended, can cause significant damage over time. Fortunately, there are several techniques available for repairing these cracks and preventing further issues.

One of the most common methods for addressing foundation cracks caused by water accumulation is the use of epoxy injections. Epoxy injection involves filling the crack with

an adhesive material that not only seals the crack but also restores the concrete to its original strength. This method is particularly effective for small to medium-sized cracks. The epoxy not only blocks water from entering but also reinforces the structure against future stressors.

Polyurethane foam injections present another viable solution, especially for active leaks or where flexibility is required. Unlike epoxy, polyurethane foam expands upon contact with water, making it ideal for sealing wet and leaking cracks. Its ability to expand allows it to fill voids more effectively than rigid materials, creating a durable seal that prevents further water infiltration.

For larger or more severe cracks, underpinning may be necessary. Underpinning involves extending the foundation in depth or breadth so it rests on more stable soil or distributes its load across a wider area. This technique helps stabilize foundations that have been compromised by extensive water damage or poor soil conditions beneath them.

Beyond repairing existing cracks, managing surface water flow is essential in preventing future problems. Proper drainage systems such as French drains can be installed to redirect water away from foundation walls. These systems involve trenches filled with gravel and perforated pipes that channel excess water away from critical areas.

Another preventative measure includes grading the landscape properly around your home so that ground slopes away from the foundation rather than towards it. This simple yet effective tactic ensures rainwater naturally flows away from your house instead of pooling around its base.

Finally, regular maintenance and inspection play pivotal roles in managing water accumulation and mitigating potential risks before they escalate into costly repairs.

Homeowners should routinely check their gutter systems to ensure they are directing rainwater appropriately and not contributing to unnecessary saturation near foundations.

In conclusion, while water accumulation poses significant challenges to structural stability through foundation cracking, various repair techniques offer practical solutions tailored to specific circumstances. From epoxy injections and polyurethane foams to underpinning approaches alongside preventive strategies like proper drainage installations—each method plays a vital role in safeguarding buildings against both current damages and future threats posed by encroaching moisture.

Preventative Measures: Tips for homeowners to minimize the risk of foundation damage from seasonal soil changes.

Managing water accumulation around foundation walls is a critical task for homeowners seeking to protect their property from the often subtle yet devastating effects of water damage. Foundations serve as the bedrock upon which homes are built, and safeguarding them ensures the longevity and structural integrity of the entire structure. Water, while essential for life, can be a formidable adversary when it comes to building foundations.

Therefore, implementing long-term solutions to prevent water damage is not just prudent but necessary.

The first step in managing water accumulation is understanding how water interacts with the environment surrounding your home. Rainwater, melting snow, and groundwater all contribute to moisture levels in the soil adjacent to foundation walls. When this moisture accumulates excessively or infiltrates improperly designed drainage systems, it can lead to problems such as erosion, hydrostatic pressure buildup, and even cracks in the foundation itself.

Managing Water Accumulation Around Foundation Walls – property

1. space
2. customer
3. property

One of the most effective strategies for mitigating these risks involves installing proper drainage systems around your home. This typically includes gutter systems that direct rainwater away from the house and downspouts that channel this water at least five feet away from foundation walls. Additionally, French drains—a type of subsurface drainage system—can be installed around the perimeter of a home to capture excess groundwater before it reaches critical areas.

Beyond drainage systems, waterproofing measures on the exterior of foundation walls provide another layer of defense against water infiltration. This can include applying sealants or membranes that act as barriers between water-laden soil and vulnerable concrete surfaces. These materials are designed to withstand various environmental

conditions over time, ensuring consistent protection even during heavy rainfall or thawing periods.

Landscaping also plays an integral role in managing water flow around foundations. By strategically grading land so that it slopes away from buildings, homeowners can help ensure that surface water runs off efficiently rather than pooling near structures where it poses a risk. Incorporating native plants with deep root systems can further enhance soil stability and improve natural absorption rates without compromising foundational safety.

In regions prone to high rainfall or flooding, sump pumps may be necessary as an additional precautionary measure within basements or crawlspaces. These devices actively remove accumulated water from interior spaces before it causes significant harm by pumping it away through designated pipes.

Ultimately though—while individual techniques offer valuable benefits—the most comprehensive solution involves integrating multiple approaches tailored specifically toward each property's unique needs and climate conditions; consulting professionals specialized in hydrology engineering might prove invaluable here too! By combining preventive maintenance efforts like those mentioned above alongside regular inspections conducted by experts familiarized with local environmental factors impacting properties nearby—you'll maximize chances securing long-lasting protection safeguarding investments made into both residences themselves along accompanying landscapes surrounding them alike!

In conclusion: investing time resources into addressing potential concerns regarding excessive moisture presence near home's foundational elements pays dividends down road preventing costly repairs restoring peace mind knowing everything possible done ensure solid footing beneath feet remains intact moving forward despite whatever nature throws way next!

About Davidson County

Davidson County is the name of two counties in the United States:

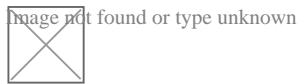
- Davidson County, North Carolina
- Davidson County, Tennessee

Disambiguation icon

This disambiguation page lists articles about distinct geographical locations with the same name.

If an internal link led you here, you may wish to change the link to point directly to the intended article.

About foundation



Look up ***foundation*** or ***foundations*** in Wiktionary, the free dictionary.

Foundation(s) or **The Foundation(s)** may refer to:

Common uses

[edit]

- Foundation (cosmetics), a skin-coloured makeup cream applied to the face
- Foundation (engineering), the element of a structure which connects it to the ground, and transfers loads from the structure to the ground
- Foundation (evidence), a legal term
- Foundation (nonprofit), a type of charitable organization
 - Foundation (United States law), a type of charitable organization in the U.S.
 - Private foundation, a charitable organization that might not qualify as a public charity by government standards

Arts, entertainment, and media

[edit]

Film and TV

[edit]

- *The Foundation*, a film about 1960s–1970s Aboriginal history in Sydney, featuring Gary Foley
- *The Foundation* (1984 TV series), a Hong Kong series
- *The Foundation* (Canadian TV series), a 2009–2010 Canadian sitcom
- "The Foundation" (*Seinfeld*), an episode
- *Foundation* (TV series), an Apple TV+ series adapted from Isaac Asimov's novels

Games

[edit]

- *Foundation* (video game), an upcoming city-building game
- *Foundation*, an Amiga video game
- The Foundation, a character in 2017 game *Fortnite Battle Royale*

Literature

[edit]

- Foundation (book series), a series of science fiction books by Isaac Asimov
 - *Foundation* (Asimov novel), the first book in Asimov's series, published in 1951
- *Foundation* (b-boy book), by Joseph G. Schloss
- *Foundation* (Lackey novel), a 2008 fantasy novel by Mercedes Lackey

Music

[edit]

- The Foundations, a British soul group
- Foundations (EP), by Serj Tankian

Albums

[edit]

- *Foundation* (Brand Nubian album)
- *Foundation* (Breakage album)
- *Foundation* (Doc Watson album)
- *Foundation* (Magnum album)
- *Foundation* (M.O.P. album)
- *Foundation*, a 1997 compilation album by Die Krupps
- *The Foundation* (Geto Boys album)
- *The Foundation* (Pep Love album), 2005
- *The Foundation* (Zac Brown Band album)
- *The Foundations* (album), by 4 Corners

Songs

[edit]

- "Foundation", a 1983 song by Spandau Ballet from the album *True*
- "Foundation", a 1998 song by Brand Nubian from the eponymous album *Foundation*
- "Foundation", a 2009 song by M.O.P. from the eponymous album *Foundation*
- "Foundation", a 2010 song by Breakage from the eponymous album *Foundation*
- "Foundation", a 2015 song by Years & Years from *Communion*
- "Foundations" (song), by Kate Nash
- "The Foundation" (song), by Xzibit

Other uses in arts, entertainment, and media

[edit]

- *Foundation – The International Review of Science Fiction*, a literary journal
- *The Foundation Trilogy* (BBC Radio), a radio adaption of Asimov's series
- The SCP Foundation, a fictional organization that is often referred to in-universe as "The Foundation"

Education

[edit]

- Foundation degree, a British academic qualification
- Foundation school, a type of school in England and Wales
- Foundation Stage, a stage of education for children aged 3 to 5 in England
- University Foundation Programme, a British university entrance course

Science and technology

[edit]

- Foundation (framework), a free collection of tools for creating websites and web applications by ZURB
- Foundation Fieldbus, a communications system
- Foundation Kit, an Apple API

Companies

[edit]

- Foundation Medicine, a genomic profiling company

See also

[edit]

- All pages with titles beginning with *Foundation*
- All pages with titles beginning with *The Foundation*
- Foundations of mathematics, theory of mathematics

Disambiguation icon Image not found or type unknown

This disambiguation page lists articles associated with the title **Foundation**.

If an internal link led you here, you may wish to change the link to point directly to the intended article.

About United Structural Systems of Illinois, Inc

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Things To Do in Cook County

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Glessner House

4.7 (203)

Photo

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Willis Tower

4.5 (21504)

Photo

Image not found or type unknown

The Art Institute of Chicago

4.8 (34003)

Photo

Chicago's Chinatown Gateway

4.4 (422)

Photo

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Pullman National Historical Park Visitor Center

4.7 (194)

Photo

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Schiller Woods

4.7 (1582)

Driving Directions in Cook County

Driving Directions From Comfort Inn Hoffman Estates - Schaumburg to United Structural Systems of Illinois, Inc

Driving Directions From Hampton Inn & Suites Chicago/Hoffman Estates to United Structural Systems of Illinois, Inc

Driving Directions From Country Inn & Suites by Radisson, Hoffman Estates, IL to United Structural Systems of Illinois, Inc

Driving Directions From Delia Aldridge MD to United Structural Systems of Illinois, Inc

Waterproofing service

Concrete contractor

Structural engineer

foundation repair near me

foundation crack repair service

Driving Directions From Willis Tower to United Structural Systems of Illinois, Inc

Driving Directions From Chicago's Chinatown Gateway to United Structural Systems of Illinois, Inc

Driving Directions From Shedd Aquarium to United Structural Systems of Illinois, Inc

Driving Directions From Millennium Park to United Structural Systems of Illinois, Inc

Driving Directions From Navy Pier to United Structural Systems of Illinois, Inc

Driving Directions From Pullman National Historical Park Visitor Center to United Structural Systems of Illinois, Inc

foundation repair near me

foundation crack repair service

foundation crack repair

foundationcrack repair companies

Waterproofing service

Reviews for United Structural Systems of Illinois, Inc

United Structural Systems of Illinois, Inc

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Paul Gunderlock

(4)

The staff was helpful, very nice and easy to work with and completed the work timely and cleaned up well. Communications faltered a bit at times and there was an email communications glitch which

was no fault of anyone, but no big deal and all ended up fine. We sure feel better to have this done and hope that is the end of our structural issues. It does seem like (after talking to several related companies), that it would be great if some of these related companies had a structural engineer on staff vs using on the job expertise gained over years – which is definitely valuable! But leaves a bit of uncertainty – and probably saves money for both sides may be the trade-off? So far, so good though! Thank you.

United Structural Systems of Illinois, Inc

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Jim de Leon

(5)

It was a pleasure to work with Rick and his crew. From the beginning, Rick listened to my concerns and what I wished to accomplish. Out of the 6 contractors that quoted the project, Rick seemed the MOST willing to accommodate my wishes. His pricing was definitely more than fair as well. I had 10 push piers installed to stabilize and lift an addition of my house. The project commenced at the date that Rick had disclosed initially and it was completed within the same time period expected (based on Rick's original assessment). The crew was well informed, courteous, and hard working. They were not loud (even while equipment was being utilized) and were well spoken. My neighbors were very impressed on how polite they were when they entered / exited my property (saying hello or good morning each day when they crossed paths). You can tell they care about the customer concerns. They ensured that the property would be put back as clean as possible by placing MANY sheets of plywood down prior to excavating. They compacted the dirt back in the holes extremely well to avoid large stock piles of soils. All the while, the main office was calling me to discuss updates and expectations of completion. They provided waivers of lien, certificates of insurance, properly acquired permits, and JULIE locates. From a construction background, I can tell you that I did not see any flaws in the way they operated and this an extremely professional company. The pictures attached show the push piers added to the foundation (pictures 1, 2 & 3), the amount of excavation (picture 4), and the restoration after dirt was placed back in the pits and compacted (pictures 5, 6 & 7). Please notice that they also sealed two large cracks and steel plated these cracks from expanding further (which you can see under my sliding glass door). I, as well as my wife, are extremely happy that we chose United Structural Systems for our contractor. I would happily tell any of my friends and family to use this contractor should the opportunity arise!

United Structural Systems of Illinois, Inc

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Dave Kari

(5)

What a fantastic experience! Owner Rick Thomas is a trustworthy professional. Nick and the crew are hard working, knowledgeable and experienced. I interviewed every company in the area, big and small. A homeowner never wants to hear that they have foundation issues. Out of every company, I trusted USS the most, and it paid off in the end. Highly recommend.

Managing Water Accumulation Around Foundation Walls [View GBP](#)

Frequently Asked Questions

What are the main causes of water accumulation around foundation walls?

The primary causes include poor drainage systems, inadequate grading that directs water toward the foundation, clogged gutters and downspouts, and high groundwater levels. These factors can lead to increased hydrostatic pressure on foundation walls and potential cracks.

How can I prevent water from accumulating near my foundation?

To prevent water accumulation, ensure proper grading away from the house, install or maintain functional gutters and downspouts with extensions directing water away from the foundation, employ a French drain system if necessary, and consider waterproofing the exterior of your foundation walls.

Can accumulated water around the foundation cause cracks?

Yes, accumulated water increases hydrostatic pressure against foundation walls. Over time, this pressure can lead to cracks in the walls or exacerbate existing ones. Proper drainage is essential to mitigate this risk.

What steps should be taken if cracks already exist due to water accumulation?

First, address any drainage issues contributing to water build-up. Then repair existing cracks using appropriate techniques such as epoxy injection for structural repairs or polyurethane for sealing leaks. Consider consulting a professional for an accurate assessment and effective repair strategy.

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