

thaw:PAK
Snow Melting &
Radiant Heating Systems



Thaw•Pak™ Snow Melting & Radiant Heating Systems

The Thaw•Pak total pre-engineered system includes the heating source, heat distribution equipment and system engineering along with our professional technical support and advice throughout the process to ensure your comfort and satisfaction.



Luxury or Necessity?

The need to provide safe, secure and low risk environments wherever people live, shop or congregate is the most compelling reason our customers install our Thaw•Pak system. The increased popularity of mixed-use and multi-purpose properties provides the ideal opportunity to add the benefits of an ice/snow melting and radiant heating system for common area maintenance. Other important benefits to consider include; reduced maintenance costs, risk control against vehicular and pedestrian accidents and an extremely low environmental impact. In the past a system like ours may have seemed a luxury, but with improved technology and increased environmental and safety concerns, Thaw•Pak meets these needs head on in a responsible yet economic way.

Thaw•Pak ice/snow melting and radiant heating systems carry a 25-year warranty. That's the strongest rated warranty in the industry. It reflects the commitment we have to providing our customers with more than just a snow melting system. With well over 15,000 systems installed, we back our products 100% by providing unmatched engineering expertise, project specific customized design, complete system drawings, all parts and components necessary for installation and full technical support after the sale. We've been successfully integrating Thaw•Pak systems into commercial, retail, industrial and residential environments since 1964, the year first class postage was still just 5¢ and the Beatles were introduced to America on the Ed Sullivan Show.

Talk to us about your next project, large or small. We'll show you how a Thaw•Pak system will maximize the return on your investment. Perhaps even more important is our commitment to being the one source accountable for the total scope and success of your project. From concept to design, through engineering, installation and post-installation technical support; we'll make it easy. That's the way it should be. With Thaw•Pak, that's just the way it is.

APPLICATIONS

- Parking lots
- Ramps
- Sidewalks
- Stairs
- Runways
- Shopping malls
- Supermarkets
- Multi-purpose facilities
- Mixed-use properties
- Banks
- Offices
- Schools
- Hospitals
- Roofing systems
- Airports
- Retirement villages
- Sports facilities



NEW URBANISM

Nº 1 Applications & Case Studies
Snow Melting & Radiant Heating System

Above:

The East Grand Rapids Gaslight District's heated sidewalks and revitalized shops have increased foot traffic fourfold according to local shop and restaurant owners.

Bottom, left to right:

Downtown Northville added a heated, open mall type shopping area adjoining the site of an old, historic church.

Mechanicals and boilers are subtly hidden behind landscaped enclosures in the East Grand Rapids Gaslight District.

World-renowned and architecturally significant, Cranbrook Educational Community, in Bloomfield Hills, Michigan, installed heated walkways, stairs and ramps to better serve its diverse, year-round, multi-use campus.

Sidewalks that are clear of snow and ice keep shops free from salt and grime and provide safe passage to shoppers.

New Urbanism & Revitalization

New Urbanism is gaining momentum as a preferred antidote to the suburban sprawl created by increasingly outdated zoning codes dating back to the post WWII era. Today's Traditional Neighborhood Development ordinances allow for the circumvention of such outdated zoning. Although around since the 1980's with the development of Seaside, a celebrated Florida resort development on the Gulf Coast, New Urbanism is becoming an increasingly popular alternative. More and more people, both young and old, are looking for what the principles of New Urbanism and Revitalization offer: Walkability, connectivity, traditional neighborhood structure, public space, quality architectural design, minimal environmental impact, diversity of services and thoughtful mixed-use real estate. It all adds up to an elevated quality of lifestyle.

New Urban or Revitalized urban areas in colder climates are of course ideally suited to installed snowmelt systems. In addition to reducing the recurring maintenance costs of equipment, labor and salt, sand or no slip materials, safety issues and risk control are also sound reasons to seriously consider such an installation. The use of a Thaw•Pak snow melting solution provides an environmentally low-impact way of addressing both the maintenance and the safety aspects of mitigating the effects of winter wherever people drive, park and walk. The appeal of public areas always clear of snow and ice is beneficial to both the owners of the property as well as the shopping, working and residing public. Eliminating the need to move snow also greatly maximizes both walking and parking areas by keeping them free of piled-up snow.

Thaw•Pak is well versed and experienced in the design, engineering, installation and maintenance of their snow melt systems with over 15,000 installations throughout North America. Our experience has shown our snowmelt systems to reduce property insurance, increase concrete and/or other surface material life, enhance property values and reduce overall costs for property owners.



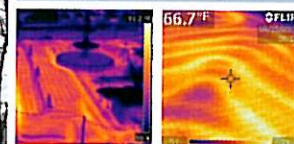
Destination Shopping & Lifestyle Center Shopping

When shopping centers began in the early 1950's as the U.S. population began migrating to the suburbs, they were typically strip type shopping centers located along busy streets. They soon evolved to community shopping centers with one or two small department stores and off-street parking.

The 1970's brought the regional mall concept with large anchor stores, enclosed shopping and many acres of free parking. This mall model, although still in wide use and favor today, is now seeing strong competition from Destination Shopping or Lifestyle Center Shopping. By offering an atmosphere that is part neighborhood park and part urban shopping center, these new era shopping centers offer time-pressed consumers a more convenient alternative to malls. These new open-air shopping centers target upper income shoppers with upscale retail space, a wide variety of specialty retailers and a unified image. Additionally, attractive landscaping and convenient parking add to the appeal for shoppers.

Because these new style shopping centers share the expense for the common areas, a Thaw•Pak snowmelt system is a perfect solution to reducing ongoing maintenance costs. A Thaw•Pak snowmelt system makes ingress and egress as easy in winter as it is in summer. An installed snowmelt system not only keeps sidewalks and parking areas clear of snow, it also eliminates the introduction of snow, slush and salt into the individual retail spaces, again reducing individual maintenance and liability costs.

The need for people to safely and conveniently have access to and from the shopping center converts an installed snowmelt system from a mere convenience to a necessity. Thaw•Pak's 25-year warranty makes it an attractive option to yearly snow removal headaches and yearly slip and fall liability issues.



THAW•PAK™ INTEGRATION

DESTINATION

Nº 2 Applications & Case Studies

Snow Melting & Radiant Heating System

Above:

Partridge Creek Shopping Center in Clinton Township, Michigan, serves shoppers with safe passage even in the middle of winter and Christmas shopping.

Bottom, left to right:

Common areas at River Place in Frankenmuth, Michigan, are kept clear of ice and snow without the labor required for plowing and shoveling, or the need for salt or other chemicals.

Clear walkways and common areas are the standard at Partridge Creek.

Our infra-red photography capability allows us to accurately monitor our systems for maximum effectiveness and possible fixes whenever and wherever required.

River Place provides safe, comfortable shopping in winter with heated parking and walkways throughout the shopping center.

THAW•PAK™ INTEGRATION



MULTI-PURPOSE

Nº 3 Applications & Case Studies
Snow Melting & Radiant Heating System

Above:

Walkways and stairs are kept clear of ice and snow at the Cranbrook Educational Community.

Bottom, left to right:

Frankenmuth's River Place project incorporates a 400 ft. heated bridge to provide safe passage over the Cass River.

The sloped, 600,000 sq. ft. roof of Ford Field, home of the Detroit Lions NFL team, is protected from a catastrophic avalanche condition by a Thaw•Pak snow melt system and extensive gutter system.

This sloped Pittsburgh, Pennsylvania parking garage drive is heated to keep it accessible throughout the harsh Midwest winter.

This composite photo shows the driveway during installation and after concrete was poured.

Heated ramps at schools, libraries, museums, hospitals and other public buildings meet ADA standards and avoid litigation due to slip and fall incidents caused by ice and snow.

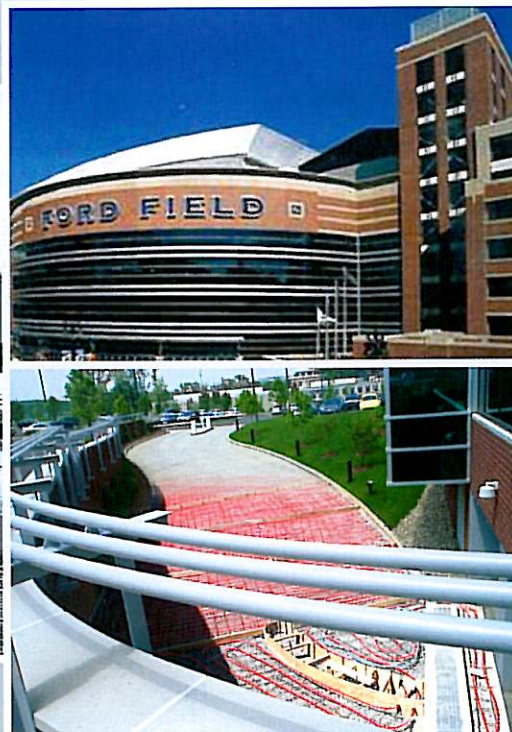
Roofs, Ramps, Stairs, Bridges & Elevated Walkways Meeting ADA Standards

A Thaw•Pak snow/ice melting, radiant heat system is highly useful and adaptable in many applications. Consider these special needs applications and the ways Thaw•Pak provides the perfect solution in each situation. Ford Field, home of the Detroit Lions NFL team, was designed with a sloped 600,000 sq. ft. roof surface. With an average yearly snowfall of 42", the potential for an avalanche was very real in addition to concerns for the effects of freezing rain and ice buildup. By designing twin 8' x 8' x 550' gutters to catch the sliding snow and ice and installing a Thaw•Pak snow melt system; we solved the problem of snow control and resulting liability issues.

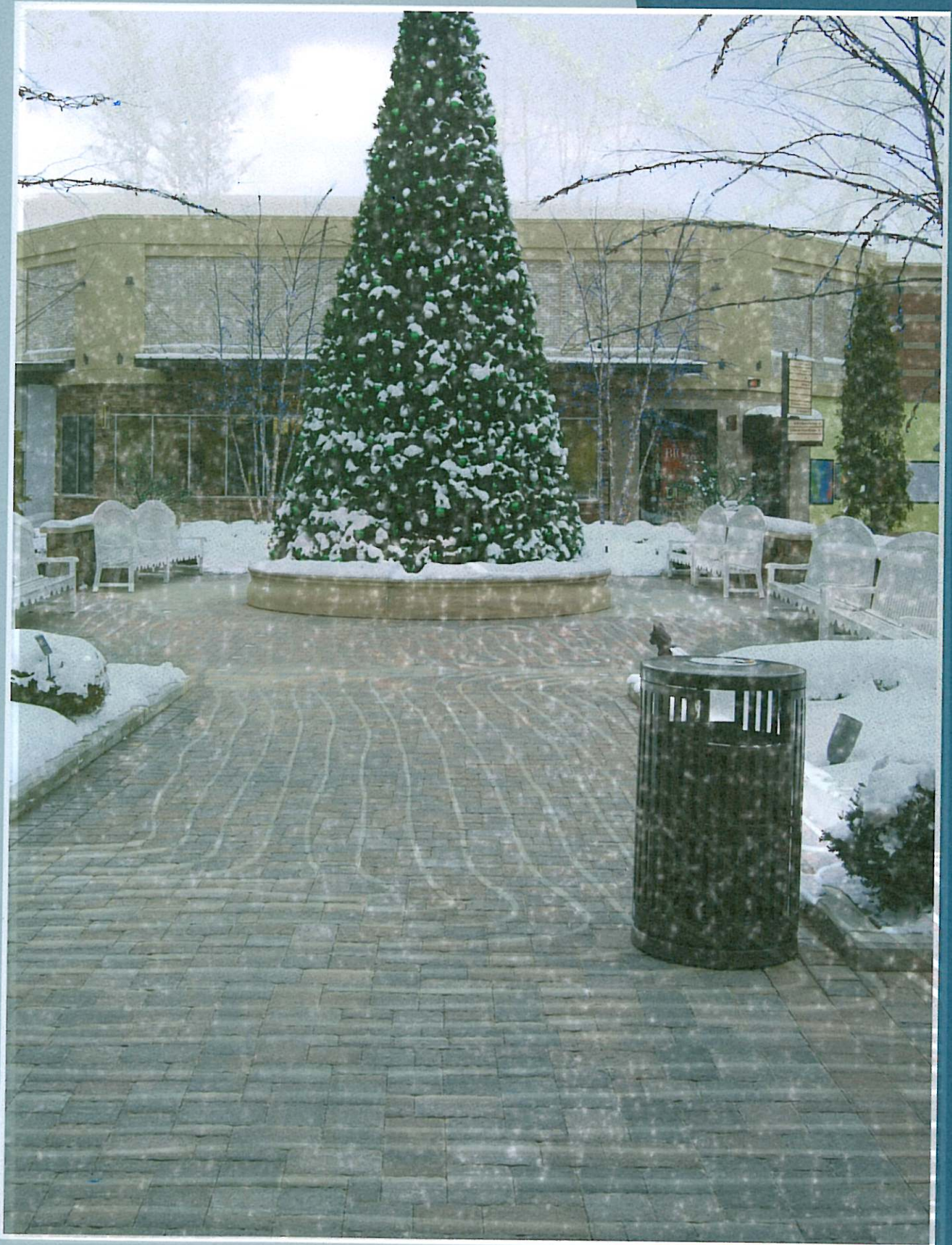
Libraries, offices municipal buildings, sports stadiums and many entertainment venues incorporate sloped ramps and steps to accommodate both regular foot traffic as well as those with disabilities. Snow and ice are constant concerns. Minor amounts of either of these can make these areas inaccessible and an obvious liability issue. The potential risk of slip and fall and the inability for people to access the facility are dangerous detractions for these venues. Thaw•Pak has installed a great number of snow melt systems in steps and ramps; solving the accessibility issues while staying in compliance with ADA requirements for full accessibility.

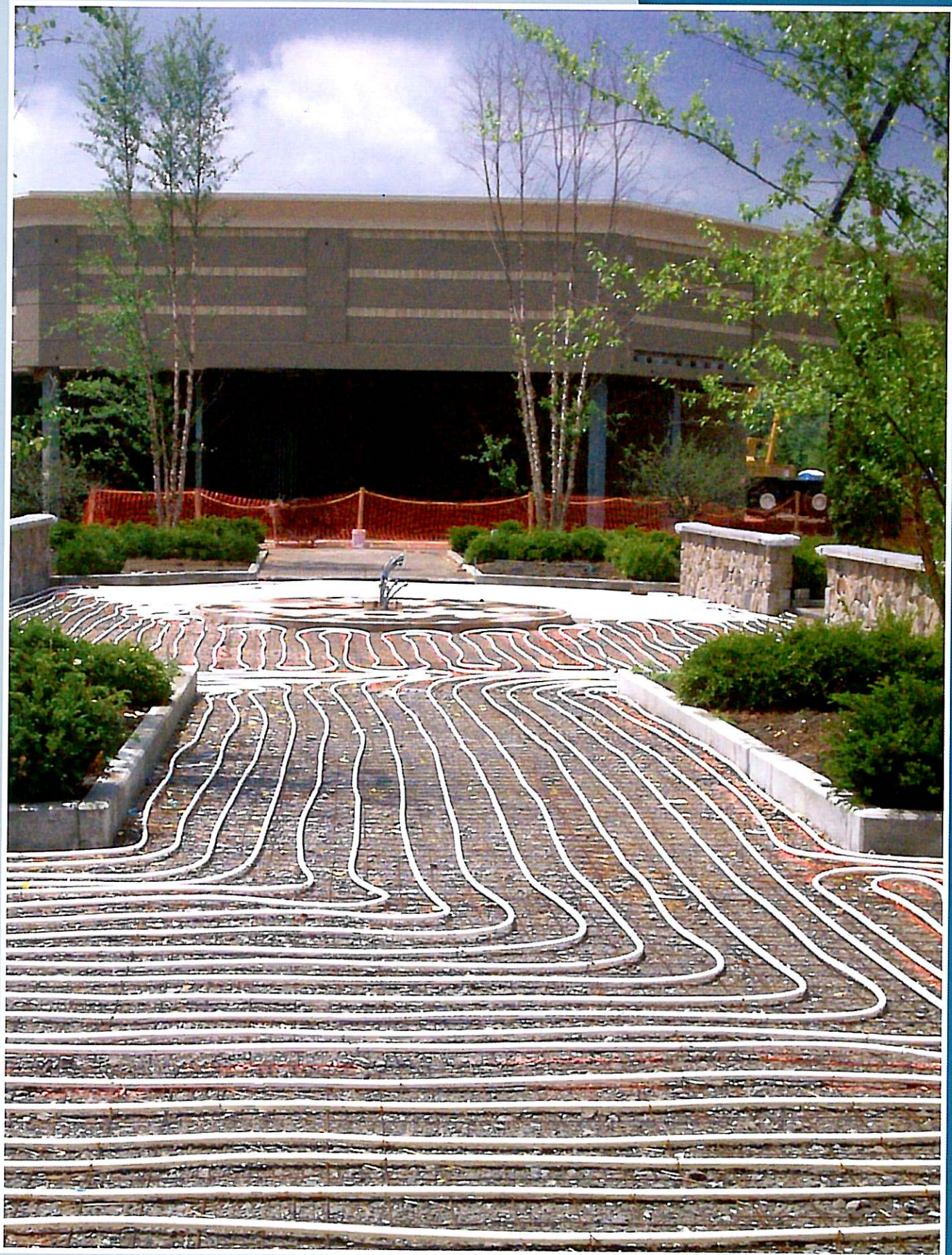
Large snow removal equipment does not have the room to maneuver in these spaces in addition to having inadequate area for piling/storage of snow. A Thaw•Pak snowmelt system solves these problems by preventing the buildup of ice or snow in installed areas.

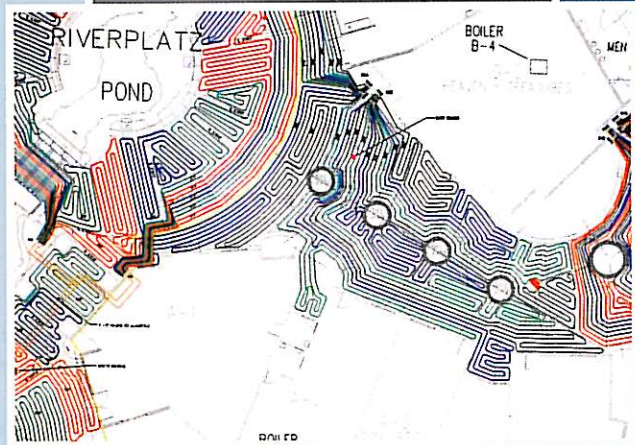
Thaw•Pak systems can be installed retroactively in most pre-existing structures. There is of course a significant cost savings when it can be designed in the initial planning stages of your project. As you can see, the uses and applications for our snow/ice melting and radiant heat system are many and diverse. Thaw•Pak is the solution you're seeking for snow/ice removal and radiant heat applications.











PERFORMANCE
engineering group 



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