



# CONSTRUCTION NOTICE

## Nacmine Berm Project

We would like to inform you about the upcoming construction project of the Nacmine Berm, which aims to enhance the safety and resilience of our community against flooding events. We understand that construction projects can be disruptive, but we assure you that we will prioritize minimizing inconvenience to the residents of Nacmine. Here is an overview of the project, along with important information and contact details for your reference.

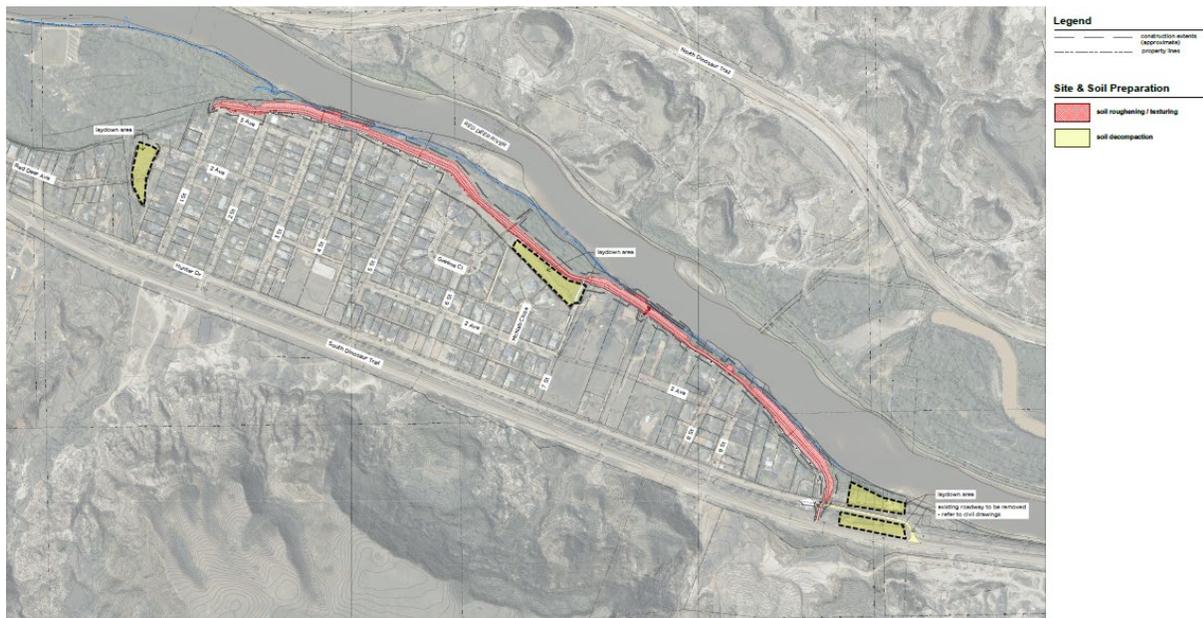
### Project Overview:

The Nacmine Berm construction project involves the construction of approximately 1500 m of new earth fill flood protection berm. The berm extends from the corner of 1 St and 3 Ave, continues along the right bank of the Red Deer River and ties into high ground at 958 Hunter Drive.

Construction of permanent flood mitigation infrastructure will protect 94 homes from flooding up to a 1:100 year return period event, and will improve insurability and ability to obtain mortgages for the community, ensuring its viability into the future. Building a permanent berm in Nacmine will allow the Town to dedicate forces to other areas requiring temporary measures, reducing overall temporary flood response measures needed during a flood event.

If you would like to speak to members of our team in person join us at the Public Information Night hosted by the Town of Drumheller on March 5th from 5pm-7pm at the BCF. The Flood Office will be there with a table ready to answer all your questions! Whether you're curious about the Nacmine, Rosedale, & West Rosedale projects or want to learn more about flood readiness, we'll have consultants on hand and plenty of informative materials to share. Come by, say hello, and have a chat with us.

### Nacmine Berm:





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## Schedule:

**February 18-21, 2025:** a property boundary survey will be completed to stake out property boundaries adjacent to berm construction. Survey stakes will be placed in the ground to delineate private property boundaries for site workers. We kindly ask that residents do not remove these survey stakes, as they are in place to protect against workers or equipment accidentally entering your property.

**February 25-26, March 4-6, 2025:** wildlife biologists will be on site to perform a wildlife survey. This is to ensure that the presence of any sensitive species or nests are identified and protected during construction activities.

**Late February/Early March 2025:** tree clearing is expected to commence along the berm footprint. This is being completed prior to any migratory bird nesting windows.

**April/ May 2025:** Earthworks are expected to begin pending weather and regulatory approvals and be completed by late summer 2025, followed by landscaping work.

Some mobilization of equipment and material hauling is expected in February 2025 to prepare for the upcoming construction season. Construction of the berm will begin in spring 2025 with all work including landscaping scheduled to be completed by November 30th, 2025. Pidherney's will be required to maintain the landscaping works for two years following construction completion, which includes the 2026 and 2027 growing seasons. This will include watering, weeding, and mowing of grass. It will also include watering of planted trees to ensure successful establishment.

Any significant changes to the schedule will be thoroughly communicated to residents and property owners in the impacted areas.

## Contractor Information:

The construction contract for the project has been awarded to Pidherney's Inc., following a competitive bidding process. Pidherney's has previous experience working in the area and for the Town of Drumheller, including the construction of Newcastle Berm and has a successful track record of completing large earthworks projects as well as relevant landscaping construction experience. Their expertise makes them well-suited to complete the work.

## Vibration Monitoring:

To ensure the safety and integrity of the surrounding structures and groundwater resources, the construction project will include vibration monitoring. Here are some important details:

Prior to starting construction, the Town's engineering team will offer residents near the berm construction and haul routes Pre-Construction Home Inspections, to document pre-existing conditions to the home and help identify if any changes occur during construction. Letters regarding this are expected to be mailed to residents in March 2025 with instructions on how to schedule your inspection. Additionally, vibration monitoring measures will be implemented by the Town during construction and activities that involve heavy machinery and earthworks. These measures will help assess and control vibration levels to ensure they remain within acceptable limits and minimize any potential impact on nearby structures. The monitoring will be conducted by qualified professionals who will closely monitor vibration levels throughout the construction process.



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The results of the vibration monitoring will be carefully analyzed and reviewed to confirm compliance with regulatory requirements and to address any potential concerns that may arise. If any issues are identified, appropriate measures will be taken to mitigate the impact.

We want to emphasize that the project team is committed to maintaining the safety and sustainability of the community throughout the construction process. If you have any questions or concerns regarding vibration monitoring, please don't hesitate to contact the project contacts provided below.

## **Potential Impacts and Mitigation Measures:**

We understand that construction activities can have potential impacts on the surrounding environment and daily activities. Here are some key points to consider:

1. **Dust:** The contractor will implement dust control strategies to minimize dust generation, such as spraying water and utilizing dust suppression equipment.
2. **Noise:** Efforts will be made to minimize noise levels by adhering to local noise bylaws and utilizing noise reduction methods and equipment. A noise relaxation bylaw waiver will be in place from 7:00am to 7:00pm Monday through Sunday for the duration of the work.
3. **Vibration:** The contractor will monitor and control vibration levels within acceptable limits to minimize any impact on surrounding structures; however, it is likely that you will still feel some vibration.
4. **Truck Traffic:** There will be an increase in truck traffic during the construction period. The contractor will establish designated haul routes and may implement speed reductions in certain areas to ensure the safe movement of trucks.
5. **Haul Routes:** The contractor will determine and communicate specific haul routes to minimize disruptions to local traffic and ensure the safety of residents and road users.

We want to assure you that the contractor, Pidherney's Inc., will make every effort to minimize the impact of construction activities on the community.

## **What You Can Do to Prepare for Construction:**

We understand that the construction project may cause some temporary disruptions. To help you prepare and minimize any inconvenience, here are some suggestions:

1. **Stay Informed:** Stay updated on the project progress, schedule, and any potential changes or updates by visiting the website [www.floodreadiness.drumheller.ca](http://www.floodreadiness.drumheller.ca) or contacting the provided project contacts. Regular communication will ensure you are aware of any specific impacts or requirements during the construction period.
2. **Plan for Temporary Disruptions:** Be prepared for temporary disruptions such as road and pathway detours, increased noise levels, dust, and truck traffic. If you have any sensitive activities or events planned during the construction period, consider adjusting your schedules or notifying the project contacts for assistance in minimizing any disturbances.
3. **Secure Loose Items:** If you live near the construction area, ensure that any loose items on your property, such as fragile decorations, wall hangings and pictures are securely stored or relocated to avoid any potential damage.
4. **Follow Safety Instructions:** Pay attention to any signage, temporary road closures, or traffic control measures implemented during the construction. Follow the instructions provided for your safety and the safety of the construction workers.



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5. Protect Sensitive Areas: If you have sensitive areas on your property, such as gardens or landscaping, consider taking precautions to protect them during the construction period. You may want to install temporary barriers or coverings to prevent any potential damage.
6. Communicate Concerns: If you have any specific concerns or issues related to the construction, do not hesitate to reach out to the project contacts or the contractor. They will be available to address your concerns and provide assistance whenever possible.
7. Keep Construction Areas Clear: A letter has been sent to adjacent landowners requesting that any personal items within the berm footprint be removed. At this time we would like to re-iterate that any items within the berm footprint at the time of construction will be disposed of.

## Contact Information:

### Immediate Construction Concerns:

Pidherney's Inc.

(P) 403-321-4769

(E) [Drumheller2025@pidherneys.com](mailto:Drumheller2025@pidherneys.com)

### Technical – Design – Construction Quality Concerns:

Engineer Consultant: WSP

Scott Wagner – 403-617-9850

Keith Poole – 403-820-5233

### Overall Flood Program & General Inquiries:

Flood Office

(P) 403-823-4878

(E) [floodreadiness@drumheller.ca](mailto:floodreadiness@drumheller.ca)

### TOWN OF DRUMHELLER AFTER HOURS EMERGENCY:

403-823-2512

## To Learn More:

For additional information about the Flood Office and the Flood Mitigation program, please visit our website at [www.floodreadiness.drumheller.ca](http://www.floodreadiness.drumheller.ca) or email us at [floodreadiness@drumheller.ca](mailto:floodreadiness@drumheller.ca).

Thank you for your cooperation and understanding as we work towards building a safer and more resilient community.



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## Homeowner Check List:

Vibrations and noise are to be expected during construction. We are monitoring during construction to keep vibrations within the levels below those that cause structural damage, however it is likely that you will still feel vibrations and experience shaking in your home during construction. This is normal.

### PROTECT YOUR VALUABLES

- Remove pictures from walls and place in a secure location
- Pack away valuable decorations
- Secure dishes and glasses
- Remove items from wall shelves which could potentially fall

#### *What is normal?*

It is normal to feel vibrations in your body, to see furniture moving and hear objects rattling. This is why it is important to secure items which could fall.

#### *When should I be concerned?*

If you notice cosmetic changes during construction in your home like new cracks in your walls, nail pops or damage to seals, please reach out to the Flood Office to schedule a follow up inspection.

For further information on vibration monitoring please watch our 12 minute YouTube video found here:

<https://www.youtube.com/watch?v=PDoDGvgM-jY>



# VIBRATION MONITORING DRUMHELLER FLOOD PROGRAM BERM CONSTRUCTION

## IMPACT

The Flood Office recognizes impact on the daily lives of adjacent homeowners, including residents having to deal with additional noise, dust, construction traffic and vibration.



## WORKING TOGETHER

We work closely with our Contractors to try to minimize impacts; however, vibrations are unavoidable during construction of a new berm.



## SHORT-TERM DISTURBANCE

The benefit of this short-term impact to the community is long term flood protection to keep the community resilient to flooding over the coming decades.



## BENEFIT TO COMMUNITY

Protect against the devastation of flooding and will provide homeowners with better access to insurance coverage availability and mortgages for their homes, keeping home values up over coming decades.



## NOISE & VIBRATIONS

Low levels of vibration can be detected by people. Even vibration levels which may cause people to start to feel discomfort are much lower levels of vibration needed to cause cosmetic damage to buildings.

## IMPORTANCE OF VIBRATION MONITORING

- Adjusting construction activity to minimize impacts
- Preventing structural damage
- Enhancing worker safety
- Enhancing community safety

## VIBRATION SENSORS

If there is construction going on adjacent to your home a vibration sensor may be placed near your home and construction so we can monitor how the vibrations move through the ground.

## MONITORING

Our contractors strive to remain below the acceptable vibration limits throughout the construction work.

Our goal is to monitor and track vibrations due to construction activity on an ongoing basis; and **modify** and **adapt** construction activity as required to keep within target thresholds accepted within the construction industry.

