

# Excavations

## This Application Package Includes:

1. Information Sheet
2. Application Checklist
3. Excavation Application with Permit Conditions



# Information Sheet

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## What is Excavation?

- Excavation refers to any activity that disturbs the earth. This can range from major digging with heavy machinery to landscaping. Other activities including removing curbs or boulevards, also fall under excavation.

## When is an Excavation Permit Required?

- Before beginning any work that involves breaking the ground or potentially damaging City property, including landscaping on City land, an Excavation Permit is required. The primary purposes of an Excavation Permit are to:
  - Prevent damage to underground utilities (gas, water, sewer, electrical lines, etc.),
  - Ensure the safety of workers, pedestrians, and nearby structures,
  - Regulate soil disposal and environmental impact.
  - To coordinate construction schedules to avoid conflicts with public infrastructure maintenance, and
  - Ensure that the applicant repairs and damage once work is completed.

## What Land is Owned by the City?

- Parks
- Green spaces
- Road right-of-way
- Lots owned by the City
- Boulevards, sidewalks, and curbs

## Where Can I Find the Approval Number for the Excavation Permit Form?

- All work requiring an Excavation Permit, except for maintenance or emergency repairs, must have an approval number from the City. This number can be obtained from a Development Permit or Utility Line Approval.

## How Long does Approval Take?

- Planning strives to process Excavation Permits as quickly as possible, which typically takes two days or less once the application is deemed complete, including receipt for fee payment and deposit. A copy of the insurance certificate is also required for the Excavation Permit to become valid.

*IMPORTANT: by signing the form, the person or company applying becomes responsible for **all** conditions of the Excavation Permit. This includes repairing damage after the work is done, and any maintenance or repairs during the two year warranty period.*

## What is the Warranty Period?

- All Excavation Permits are subject to a two year warranty period. During this period, the applicant is responsible for repairing any wear out or settle within the excavation area. After the warranty, the City will inspect the restored areas, and if there are no issues, will inform the Applicant that their duties under the Excavation Permit have ended and process their damage deposit return.

## How are Deposits Returned?

- Once the excavation work is done and repairs are completed to the satisfaction of the City inspector, the deposit will be returned. This starts the two-year warranty. Contact the inspector names in the letter sent with the Excavation Permit to book an inspection.



## Additional Information:

### Work Within Private Property

- If any part of the work is taking place in an easement on private property, the City requires the property owner to confirm their awareness of the work. This confirmation can be provided via email or letter. This confirmation is not necessary if the property owner has requested the work, such as connecting a lot to a service.

### Conflicting Work Sites

- If an application for an Excavation Permit is submitted and the work areas overlap with those under another Excavation Permit that has not yet had a final inspection, the application will be refused. This is to prevent disputes between applicants regarding responsibility for surface damages in the work area.

### Submission and Approval

- Send the completed Excavation Permit application, drawings, insurance certificate, and other supporting documents described in the Excavation Permit Conditions to [permits@lloydminster.ca](mailto:permits@lloydminster.ca). Excavation Permits are typically processed within two working days of the application.

### Fees and Deposit

- Once the City verifies the required documents are received, payment of the administrative fee and damage deposit will be requested as listed on the website in the current Fees and Charges Bylaw adopted by the City. After these payments are made and City administration deems the application complete, the applicant will be issued a permit via email. Note that the restoration work must be completed within one year of the completion date provided on the application, or the deposit will be forfeited.

### Letter of Credit as Security

- If an applicant has undertaken a significant amount of work within the City over the course of a year, they may find it beneficial to provide the City with an Irrevocable Letter of Credit (LoC) instead of multiple deposits. The amount of security will be negotiated with the City, but it will not be less than five times the deposit for the applicant's typical work. If the applicant's typical work includes roadway excavation, the amount will be five times the roadway excavation deposit. LoCs will be accepted for all work within any given calendar year and must have terms satisfactory to the City.

### Public Notice

- At least five working days before the work begins, applicants must notify all residents and businesses that may be affected by the work. Two working days before the work starts, notify the City's Planning Department, unless the application was made two working days prior.

### Pre-Inspection

- Applicants are responsible for reviewing the work location(s) for any existing damage, including surfaces in poor condition, before work commences. If damage is found, take photographs and report the damage or poor surfaces in writing to [permits@lloydminster.ca](mailto:permits@lloydminster.ca). Include the location(s) reported, the photographs, a description of the issues found, and the Excavation Permit number in the email. If work starts before the applicant's review for damages, or if no damages were reported to the City in writing, the City's inspector will assume any damage found was caused by the applicant's activities.

## **Safety**

- The City prioritizes the safety of its residents. The applicant must take all necessary actions to protect the public from any harm that may result from their activities under the Excavation Permit. This includes ensuring that pedestrians and vehicles are safely diverted around the work area and protecting the public from any hazards until the disturbed surfaces can be repaired. Any excavations or holes must be backfilled before the applicant moves on to another work location. Any safety concerns raised by the City regarding the applicant's work must be promptly addressed. The City reserves the right to immediately correct hazards that pose a danger to public safety or property, or that have not been corrected by the applicant within twenty-four hours of notice, at the applicant's expense.

## **Restoration**

- Once the ground-disturbing work is complete, the applicant must restore the damaged areas to their original condition or better within four weeks. Details regarding the City's requirements and standards for restoring surfaces can be found in the Excavation Permit Conditions. If seasonal conditions prevent full restoration, temporary measures must be implemented and maintained until the surfaces can be fully restored. Once final restorations are complete, contact the City for an inspection as described in the approval letter for the permit. Attendance at the inspection is encouraged but not mandatory. If any deficiencies are found, the applicant must correct them and notify the City for a re-inspection. Once a satisfactory inspection is completed, the City will issue an Inspection Acceptance, and the two-year warranty period will commence from the date of the satisfactory inspection. If temporary restorations are required due to seasonal conditions, take photographs of all restored areas and send them to the City as described in the approval letter for the permit. The City will review the photos, and if any deficiencies are found, the applicant must correct them and send photos of the corrected work. Once accepted, the City will issue a Seasonal Acceptance. Surfaces must be fully restored within four weeks after the upcoming June 1st. Once final restorations are complete, contact the City for an inspection as described above.

## **Return of Deposit**

- Once an Inspection Acceptance has been issued, the damage deposit will be returned, less any costs the applicant was obligated to pay to the City.

## **Return of Letter of Credit**

- Once an Inspection Acceptance has been issued for all work completed over the calendar year, the Letter of Credit (LoC) will be returned, less any costs the applicant was obligated to pay to the City. If any Seasonal Acceptance is issued, the LoC will be held by the City until all Inspection Acceptances are issued.

## **Warranty**

- The applicant must provide a two-year warranty to the City against settlement or other failure of the restored surfaces. This warranty is exclusive of any other warranty that the applicant may provide in relation to the completed work. At the end of the warranty period, the City will inspect the restored areas for deterioration and/or settlement. If any deficiencies are found, the applicant must correct them and notify the City for a re-inspection. Once a satisfactory inspection is completed, the City will issue a Final Acceptance of the restoration work, concluding the warranty period.

## **Enforcement**

- If the applicant fails to meet any of their obligations under the Excavation Permit Conditions, the City may act to correct any deficiencies. The costs incurred by the City will first be drawn from the deposit or LoC provided by the applicant, with any remaining amount invoiced to the applicant. The applicant must pay any balance owed to the City to be eligible to apply for future Excavation Permits.

## IMPORTANT

- Remember to Call Before You Dig! Contact Utility Safety Partners for properties in Alberta or 1st Call for properties in Saskatchewan to locate utility and service locations prior to construction.
- The City does not mark property lines. If you do not know where your property line is, Planning Services recommends having a property survey completed by a registered land surveyor. All costs associated with this service is at your expense.
- Bylaw No. 03-2023, concerning excavations, was adopted by the City of Lloydminster to deal with the safety, health, and welfare of people and the protection of people and property. For additional details on excavation projects and associated penalties, please refer to Bylaw No. 03-2023.

# Application Checklist

- ☐ Completed application form
- ☐ Application fee
- ☐ Deposit or letter of credit
- ☐ Copy of insurance certificate
- ☐ Drawings
- ☐ Property owner consent in writing (where applicable, e.g., if work is in an easement) this can be an email.

During the application review, additional information may be required by the Development Authority prior to a decision being rendered.

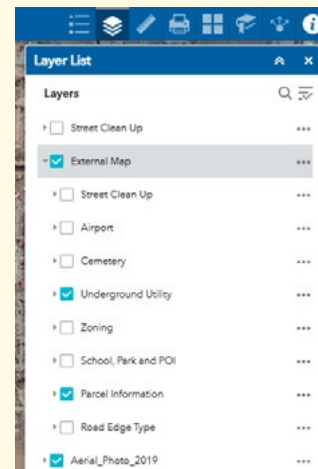
Additionally, it is recommended that all applicants engage in consultation prior to starting any development project. To discuss your development, please contact Planning Services at 780-874-3700, [permits@lloydminster.ca](mailto:permits@lloydminster.ca), or in person at the Lloydminster Operations Centre located at 6623 52 Street.

# Application Checklist

- Before applying for an Excavation Permit, the work must have prior approval from the City. This is typically provided through a Development Permit, a Demolition Permit, or a Utility Line Approval. The corresponding approval number must be provided as part of the application, and the person requesting the work should have this number.
- An exception to this requirement is minor maintenance or repair work. This includes activities such as replacing a pedestal or a pole, where the ground disturbance is limited to a small area. For such work, the applicant should enter "N/A - Maintenance" as the Utility Line Approval number.
- **Drawings**
  - All applications for an Excavation Permit must include drawings that show the location and extent of the work. Typically, these will be the drawings from the prior approval. For certain types of work, such as municipal service abandonments and maintenance tasks mentioned above, there may be no formal drawings. In such cases, a sketch of the area must be provided, indicating the location of the work. The City's online map is an excellent resource for creating this sketch. Other online maps, such as Google Maps or Bing Maps, can also be used.

- **Using the City's Online Map**

- The City Map can be found at [geo.lloydminster.ca/home/index.html](http://geo.lloydminster.ca/home/index.html). Zoom in on the map to the location the work is taking place. Addresses can be searched in left corner of the screen. In the upper right corner of screen, click the Layer List icon, as shown in Figure 1. Click small arrow beside "External Map" to open the layer list. the box beside "Underground Utility" to show the City's lines. Tick the box beside "Aerial\_Photo\_2019" to show photo of the City.
- Take a screen capture of the area of interest Windows this is simplest using the Snipping and insert it into editing software such Word. Sketch and describe the area work. An example is shown in Figure 2. remove unwanted information such as the number or lot dimensions, untick the relevant under "Parcel Information".



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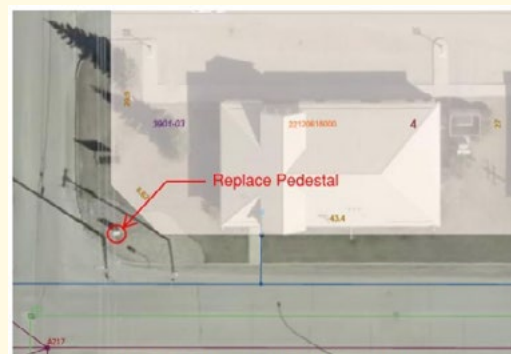


Figure 2 – Sample pedestal replacement sketch

(in  
Tool)  
as  
of  
To  
roll  
boxes



# Excavation Permit Application Ground Disturbance Within City Land

## Applicant Information

Name:	Office Phone:	Cell Phone:
Mailing Address:		Contact Email:
City:	Province:	Postal Code:

## Company Information

Company Name:	Field Rep. Name:	Office Phone:
Mailing Address:		Cell Phone:
City:	Province:	Postal Code:
		Field Rep. Email:

## Project Information

Address of Property:	Lot:	Block:	Plan:
Type of Installation:			
Development Permit No.:		Demo Permit No.:	
Utility Line Approval No.:		Utility Company Name:	
Start Date:		Completion Date:	

## Area of Repair

☐ Roadway      ☐ Sidewalk      ☐ Gravel Alley      ☐ Curb and Gutter      ☐ Median  
☐ Boulevard      ☐ Paved Alley      ☐ Trail      ☐ Other: \_\_\_\_\_

## Declaration

By signing below, the Applicant agrees to be bound by the conditions/terms that accompany this Excavation Permit. A NOTICE TO STOP WORK will be issued by Planning Services for failure to comply with these conditions.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date of Application

<b>CITY USE ONLY</b>	
<input type="checkbox"/> PERMIT APPROVED BY CITY OF LLOYDMINSTER	
Name: _____	Title: _____
Signature: _____	Date: _____
<input type="checkbox"/> INITIAL RESTORATION COMPLETED AND INSPECTED BY CITY OF LLOYDMINSTER	
Name: _____	Title: _____
Signature: _____	Date: _____
<input type="checkbox"/> FINAL INSPECTION BY CITY OF LLOYDMINSTER (2 YEARS FROM DATE ABOVE)	
Name: _____	Title: _____
Signature: _____	Date: _____

<b>CITY USE ONLY</b>
Application No.: _____
Permit No.: _____
Damage Deposit: _____
Receipt No.: _____
Tax Roll No.: _____
Approved By: _____
Issued Date: _____
Expiry Date: _____

**Collection and Use of Personal Information:** The personal information being collected on this form is for the purposes of processing and acting upon this application in accordance with the Municipal Government Act and is protected by the privacy provisions of the Freedom of Information and Protection of Privacy Act (FOIP). The City will not share your personal information for purposes outside of those stated without your permission in writing, unless there is a specific exemption stated in the Municipal Government Act. **THIS EXCAVATION PERMIT SHALL BE KEPT ON SITE AT ALL TIMES.**

## Excavation Permit Application Ground Disturbance Within City Land

### Summary of Conditions

- All utility locates (both Municipal ([www.lloydminster.ca/locates](http://www.lloydminster.ca/locates)) and shallow), and any other permits required to carry out the work are the responsibility of the Applicant.
- For any work within or adjacent to the roadway that requires road/lane closures, barricades, or detours, the Applicant must also apply for a Temporary Road Closure Permit.
- The Applicant is responsible to review the work location(s) prior to work commencing, and report any damages found to the City.
- The City must be notified two (2) working days prior to work commencing.
- All affected residents/businesses are to be notified by the Applicant a minimum of five (5) working days prior to work commencing. If the work is within a utility right-of-way, the application must be accompanied by written verification that the property owner acknowledges the notification.
- The Applicant is responsible for the restoration to its original condition of all damages resulting from the excavation within four (4) weeks of the completion of work, including but not limited to: pavement, sidewalks, curb and gutter, walkways, medians, landscaping, grass, trees and plantings. Disturbed areas must be continually maintained by the Applicant in a usable condition until they are suitably restored. In situations where the work is completed in the winter months, the Applicant shall complete a temporary restoration of the area within four (4) weeks.
- All restoration must be in accordance with these Conditions and the City's current Municipal Development Standards for the appropriate item of work, and to the satisfaction of the City.
- The Applicant is responsible to remove all construction materials, construction waste, debris, survey lath, locate flags, and any other materials used in or produced by the execution of the work. Walkways must be cleaned of any spilled or deposited soil or materials resulting from the work or restoration.
- The Applicant is responsible to contact the City for an inspection following completion of restoration work. Where temporary restorations are completed, the Applicant is responsible to provide photographs to the City of the restored area(s).
- In the event the Applicant does not rectify any unsatisfactory restoration work in a timely fashion, or fails to maintain a restored area, or if a deficiency or defect is deemed to be a danger to public safety, the City may carry out the work, or arrange to have the work done, and the cost of such work will be borne by the Applicant.
- The Applicant is responsible for the maintenance of seeded and/or sodded areas until grass is established, and the restoration and repair of all deficiencies including settlement of pavement, concrete, or landscaping within a two (2) year period of the restoration being accepted as complete by the City.

### General

An Excavation Permit ("Permit") is issued under the authority of Excavation Bylaw 03-2023, as amended from time to time, and administered in accordance with Excavation Permit Policy 610-05. Permit Applicants ("the Applicant") who during any activities authorized by the Permit ("the Work") disturb, remove, damage, or destroy existing development on City of Lloydminster ("the City") property or within City easements are required to restore that development to its original or better condition. All restoration must be in accordance with these Conditions and the current edition of the City's Municipal Development Standards ([www.lloydminster.ca/devstandards](http://www.lloydminster.ca/devstandards)), and to the satisfaction of the City. Where these Conditions and the Municipal Development Standards differ, the Municipal Development Standards will govern. Within these Conditions, "the Applicant" includes any employees or agents of the Applicant, and any contractors or subcontractors hired by the Applicant. By applying for an Excavation Permit, the Applicant agrees to be bound by and adhere to these Conditions. Before beginning the Work, the Applicant is responsible to review the location(s) of the Work and report, in writing, any existing damages (including surfaces in poor condition) to the City. If the Work starts before the Applicant's review for damages, or if no damages were reported to the City in writing, the City will deem that no damage was present before the Work started. Additionally, the Applicant must notify the City of the date work will start a minimum of two (2) working days in advance. For these Conditions, a working day is a day that the City's office staff are normally working.

## Excavation Permit Application Ground Disturbance Within City Land

### Safety

The City deems the safety of its residents to be of the utmost importance. The Applicant is required to take whatever actions are necessary to protect members of the public from any harm that may be caused or have the potential to be caused by their activities under the Excavation Permit. Where the Applicant's operations occupy any part of a roadway, such that the movement of traffic may be impeded, the Applicant must provide flag persons to direct traffic around the work area. Where the work requires a partial or full closure of a roadway or laneway, the Applicant must provide all necessary signage, barricades, and flag persons to redirect traffic either around the work area or on a detour route. Where the Applicant's operations would prevent the safe use of a walkway within a boulevard or green space, the Applicant must provide all necessary signage and barricades to safely redirect pedestrians around the work area until all hazards have been eliminated. If any excavation needs to be left open at the end of the day where work will resume on a following day, it must be covered with a rigid sheet (e.g., plywood or a steel plate), and be marked off at the corners with lath and flagging. If the excavation is too large to be covered (i.e., larger excavations), and must be left overnight, the entirety of the excavation is to be enclosed with six foot (6') high steel safety fence prior to the Applicant leaving the site unattended or otherwise secured to the satisfaction of the City. The steel safety fence must display appropriate signage (e.g., "Caution Open Excavation"). Before demobilizing from a site, or where hole(s) or excavation(s) would be left open for more than seven (7) days, these holes or excavations must be backfilled with compacted fill. The City reserves the right to immediately correct hazards which in the opinion of the City pose a danger to public safety or property or have not been corrected by the Applicant after twenty-four (24) hours' notice at the Applicant's sole expense.

### Damage Deposit

The Applicant must provide a damage deposit in the amount set out within the Development Fee Schedule Bylaw, and as administered in the Excavation Permit Policy, both as amended from time to time. The City reserves the right to immediately correct defects which, in the opinion of the City, pose a danger to public safety or property at the Applicant's sole cost and expense and to apply all or any portion of the damage deposit to the cost of correcting the deficiencies. Restoration work must be completed within one (1) year of the anticipated completion date stated in the application, or the deposit will be forfeited. Once the City has accepted the restoration work as complete, the deposit will be returned. The City may, in its sole discretion, accept a Letter of Credit from the Applicant as security in place of a damage deposit for each application. This Letter of Credit must be with terms, and in an amount, acceptable to the City. This Letter of Credit must be renewed each calendar year. The value of the Letter of Credit may be increased or decreased to an amount that the City deems appropriate for the proposed work of the Applicant. In any case, this value will not be less than five (5) times the average damage deposit required for the Applicant's typical work within the City. If, at the end of the calendar year, all restoration work for the year has been completed, the Letter of Credit shall be returned. If restoration work remains to be completed, the Letter of Credit will be retained by the City until such time as the restoration work is complete to the satisfaction of the City.

### Insurance

The Applicant must provide and keep in force during the term of this Permit, and until the date of issue of the Final Acceptance of the restoration work, insurance policies acceptable to and approved by the City. The Applicant must provide a signed original copy of the Insurance Certificate. The Insurance Certificate must:

- Include protection for the Applicant's contingent liability with respect to the activities of anyone involved with the Work, including contractors and subcontractors, and anything done pursuant to this Permit;
- Be in a minimum amount of not less than five million (\$5,000,000) dollars per occurrence for coverage for General Liability for bodily injury, death, and damage to property;
- Name the City of Lloydminster as an additional insured; and
- Name the City of Lloydminster as a Certificate Holder and not be capable of cancellation or material change without thirty (30) days written notice to the City of Lloydminster of such cancellation or material change.

This insurance certificate must be submitted to the City prior to beginning the Work.

## **Excavation Permit Application Ground Disturbance Within City Land**

### **Locates and Approvals**

It is the sole responsibility of the Applicant to have the appropriate locates of utility infrastructure (both municipal and shallow) completed, and to have all relevant Permits and/or approvals (including, but not limited to Development Permits, Demolition Permits, Building Permits, Temporary Road Closure Permits, and Utility Line Approvals, as appropriate), before beginning the Work. The Applicant must apply for a Temporary Road Closure Permit for any Work within or adjacent to the roadway that requires road/lane closures, barricades, or detours.

### **Public Notice**

Where the Work will occur adjacent to property not owned by the City, or on privately owned property within a utility right-of-way owned by the City, the Applicant must provide written notice to the owners of these properties a minimum of five (5) calendar days before the Work starts. Where the Work occurs within a utility right-of-way on privately owned property, the Excavation Permit Application must be accompanied by written verification that the property owner has acknowledged the Work taking place. The presence of a utility right-of-way or easement does not in any way relieve the Applicant of its responsibility to seek property owner acknowledgement prior to commencing the Work.

### **Restoration of Pavement, Sidewalks, Curbs And Gutters**

The Applicant will be responsible for restoring, to its original or better condition, all damage to pavement, sidewalk, curbs, and gutters resulting from the Work. The damaged surface(s) must be restored to its original or better condition no more than four (4) weeks from the time the Work was completed, unless seasonal conditions do not permit the damage to be restored. Until the damage can be restored, the Applicant is responsible to continually maintain the disturbed area(s) in a condition that allows for their continued use (for example, topping up gravel or sand, replacing cold mix patches, and so on). If, in the opinion of the City, the Applicant is not adequately equipped or knowledgeable to perform the required construction of paving and/or sidewalks, curbs and gutters, the City may request that the work be sub-contracted, at the Applicant's cost, to a qualified contractor who is acceptable to the City.

#### **Asphalt Concrete Pavement**

Where the Work requires existing asphalt concrete pavement to be excavated, the asphalt concrete pavement must first be saw cut in straight lines perpendicular and parallel to the road centre line. Shoring or trench boxes must be employed on the trench excavation to minimize the area disturbed. Where the excavation is around a manhole, the edge of the excavation must extend a minimum of one metre from the manhole barrel, to allow for adequate compaction. Where the edges of the saw cut asphalt pavement were damaged during the Work, they must be cut again prior to placing hot mix asphalt concrete pavement.

Where backfill is required to fill the excavation to the appropriate subgrade elevation, it must consist of native material placed in lifts not exceeding 150 mm in compacted thickness. Each lift must be thoroughly compacted to a minimum of 100% of Standard Proctor Density (SPD) to the bottom of the subgrade elevation. If the native material is unsuitable, the Applicant must import suitable material at the Applicant's cost and to the satisfaction of the City. If concrete fill is used as backfill due to insufficient quality native backfill material, it must be consolidated using a pencil type vibrator and finished with a wooden trowel.

The thickness of the granular base course associated with the restoration of the asphalt concrete pavement structure must match the thicknesses of the adjacent existing granular base course structure, or be a minimum compacted thickness of 300 mm, whichever is greater, and must consist of a 20 mm (3/4") crushed granular in accordance with the City's Municipal Development Standards, compacted to 100% of SPD.

The thickness of the hot mix asphalt concrete pavement must match the thickness of the adjacent hot mix asphalt concrete pavement, or be a minimum compacted thickness of 120 mm, whichever is greater, and be placed and compacted to 98% SPD in lifts of no less than 40 mm and not greater than 75 mm of compacted thickness. Hot mix asphalt concrete pavement shall consist of the City's Type S1 in accordance with the City's Municipal Development Standards. No placement of hot mix asphalt concrete pavement will be permitted after September 30th of any year without written permission from the City. In the event seasonal

## **Excavation Permit Application Ground Disturbance Within City Land**

conditions delay the permanent restoration of the driving surface, a temporary surface consisting of cold mix asphalt concrete pavement must be placed and maintained, at the Applicant's cost, until the permanent surface is placed. Where this is the case, the four (4) week period in which repairs must be made will be considered to have commenced on the following June 1st.

### **Curb and Gutter Concrete**

Curb and gutter must be replaced to match the existing structure and slopes. The existing curb and gutter must be saw cut perpendicular to the gutter alignment and removed entirely, leaving no damaged edges. The granular base for the concrete must consist of a 20 mm (3/4") crushed granular in accordance with the City's Municipal Development Standards, compacted to 100% of SPD. In the scenario where existing pavement must be removed to facilitate the installation of the concrete curb and gutter, concrete fill must be placed adjacent to new gutters or curbs to replace the pavement structure removed to accommodate the setting of forms. All loose material, mud, and water must be removed from the excavation prior to placing any concrete fill. The concrete fill must be placed within 75 mm of the finished pavement surface, consolidated using a pencil type vibrator and finished with a wooden trowel. Hot mix asphalt concrete pavement must be placed onto the concrete fill and compacted to complete the pavement structure. Concrete fill will not be permitted to be used in lieu of hot mix asphalt concrete pavement for surface restorations. All pavement removed to permit the setting of concrete forms shall be saw cut parallel to the gutter alignment.

Concrete for the curb and gutter must be Type HS in accordance with the City's Municipal Development Standards.

Reinforcing steel must be installed continuously in all replacement sections. The concrete surface must be sprayed with an approved curing compound. See City of Lloydminster Municipal Standard Drawings 2-100, 2-101, and 2-102. The concrete forms for the curb and gutter must be inspected by City staff prior to the pouring of concrete. No placement of concrete will be permitted after September 30th of any year without written permission from the City. If seasonal conditions delay the restoration of the concrete curb, a temporary curb of cold mix asphalt concrete pavement must be placed and maintained at the Applicant's cost until the permanent curb is placed. Where this is the case, the four (4) week period in which repairs must be made will be considered to have commenced on the following June 1st.

If the curb and gutter is removed on the corner of an intersection where there is no existing curb ramp, the Applicant must notify the City to request the installation of a curb ramp. In this instance, the Applicant is responsible only for the cost of the replaced curb and gutter. Alternatively, the City may request the Applicant to install a curb ramp to the City's specifications and provide compensation to the Applicant.

### **Sidewalk Concrete**

Sidewalk must be replaced to match the existing structure. The existing sidewalk must be saw cut along joints and entire panels removed, leaving no damaged edges. Under no circumstance is the Applicant permitted to remove partial panels. Concrete for the sidewalk must be Type HS in accordance with the City's Municipal Development Standards. Reinforcing steel must be installed continuously in all replacement sections as well as doweled into the adjacent concrete structure unless directed to otherwise by the City. Any removed subgrade must be backfilled using 20 mm (3/4") granular base in accordance with the City's Municipal Development Standards, compacted to 100% of SPD. Sidewalks must be sloped toward the curb and gutter at a minimum crossfall of 2% and a maximum crossfall of 4%. See City of Lloydminster Municipal Standard Drawings 2-105, 2-106, and 2-107. The concrete forms for the sidewalk must be inspected by City staff prior to the pouring of concrete. The concrete surface must be sprayed with an approved curing compound.

Sidewalks crossing lanes or commercial driveways must be a minimum thickness of 180 mm.

If seasonal conditions delay the restoration of the sidewalk, a temporary sidewalk of cold mix asphalt concrete pavement must be placed and maintained at the Applicant's cost until the permanent sidewalk is placed. Where this is the case, the four (4) week period in which repairs must be made will start on the following June 1st.

## **Excavation Permit Application Ground Disturbance Within City Land**

### **Boulevards, Grassed Areas & Landscaped Areas**

The Applicant is responsible to inspect grassed or landscaped work sites prior starting the Work, and to notify the City of any existing damage or poor vegetation within or adjacent to the Work area(s). All excavations in these areas must be backfilled prior to leaving the site, including hydrovac holes. These areas must be restored within four (4) weeks of the Work being completed. If seasonal conditions do not permit these areas to be restored (typically after October 15th), the four (4) week period in which repairs must be made will start on the following June 1st, unless otherwise approved by the City.

All filled excavations, particularly if filled during frozen conditions, must be regularly monitored for settlement, and be re-filled as needed until the final surface restoration is completed.

Grassed areas that become rutted or exhibit damaged grass following the Applicant crossing them with vehicles or equipment, or using them for a lay-down area, must be top dressed with a minimum depth of 50 mm of topsoil and then seeded as described below:

#### **Naturally Grassed Areas & Boulevards**

The Applicant must restore any naturally grassed area or boulevard damaged during the work. All fill material placed within these areas must be compacted to a minimum 95% SPD. Topsoil must be spread and lightly compacted to a minimum depth of 100 mm and a maximum depth of 150 mm over all those areas where the grass has been damaged or destroyed. Topsoil must be leveled and smoothed and graded to match the existing drainage contours. All grassed areas must be restored with sod or seed as approved by the City. Where seed is used, it must be applied at a minimum rate of 3.5 kg per 100 m<sup>2</sup>, raked into the soil after application. After the seeded area has been raked, all seeded areas are to be rolled with a light turf roller. The Applicant will be responsible to restore all perennial plantings or landscaping features (such as mulch, and landscaping rock) damaged during the Work.

#### **Landscaped Areas**

If the Applicant disturbs landscaped areas outside of a road right-of-way (such as lawns, golf courses and parks), the backfill and topsoil must be replaced as above, with a minimum topsoil depth of 150 mm. The Applicant must then install sod in all areas where the grass has been damaged or destroyed.

#### **Trees and Shrubs**

Where trees or shrubs must be displaced, approved horticultural techniques will be applied in removal and replacement. Replacement plantings must be acceptable to the City.

#### **Erosion and Sedimentation Control**

It is the responsibility of the Applicant to review the areas to be restored and determine whether erosion and sedimentation control Best Management Practices (BMPs) are required to prevent erosion of soils placed during restoration until grass is established (typically in sloped areas, and drainage courses). The Applicant is encouraged to consult with the City if it is unclear whether BMPs would be required or not. If, in the evaluation of an area that is to be or has been restored, the City deems it necessary that BMPs are placed, the Applicant must place the appropriate BMPs at their cost. The Applicant is responsible to monitor and maintain the BMPs during the warranty period, and restore any areas where placed soils have eroded, whether BMPs were placed or not. The Applicant is responsible to remove any temporary BMPs at the end of the warranty period, unless otherwise directed by the City.

### **Clean-Up**

The Applicant is to leave all areas occupied during the execution of the Work in a clean, tidy condition, similar or better to that when the Work commenced. All construction materials, construction waste, debris, survey lath, locate flags, and any other materials used in or produced by the execution of the Work must be removed, and walkways cleaned of any spilled or deposited soil or materials resulting from the Work or restoration.

## **Excavation Permit Application Ground Disturbance Within City Land**

### **Seasonal Acceptance**

In the event seasonal conditions delay the permanent restoration of a surface, the Applicant must provide photographs of the temporary restoration to the City. The Applicant must correct any deficiencies in the temporary restoration work to the satisfaction of the City. Once the City has accepted the temporary restoration work as complete, the City will issue a seasonal acceptance of the work.

### **Inspection**

All construction or excavation work by an Applicant in the City may be inspected by the City or an authorized representative. The Applicant must permit access to all work by City inspectors and must cooperate with City inspectors. All final restoration work must be inspected and accepted by the City, and the Applicant must correct any deficiencies in the restoration work to the satisfaction of the City. Once the City has accepted the restoration work as complete, the deposit will be returned.

### **Warranty Period**

The Applicant will be responsible for the repair of all deficiencies within the restored area(s) over a two-year period, initiating upon the City's acceptance of surface restorations, and is responsible to maintain landscape restorations until the seed and/or sod is established. Deficiencies include but are not limited to:

- Settlement of any restored surface;
- Cracking or deterioration of asphalt or concrete; and
- Insufficient growth in landscaped areas.

If any deficiencies are found, the City will notify the Applicant. The Applicant must complete any remedial deficiency work within fifteen (15) business days upon receiving written notification from the City. If the Applicant fails to correct any deficiency within this time, the City may take all necessary steps to correct the deficiency at the Applicant's sole cost and expense; the City reserves the right to immediately correct defects which in the opinion of the City pose a danger to public safety or property.

### **Indemnity**

The Applicant agrees to indemnify, save harmless and forever discharge the City, its elected officials, employees, contractors, agents and representatives from and against any and all manner of actions, causes of action, claims, debts, suits, loss, costs (including legal costs on a full indemnity solicitor and own client basis), demands and promises whatsoever, whether known or unknown, which the Applicant or any other person or entity may now or at any time have by reason of the issuance of the Excavation Permit and the restoration work contemplated herein including, without restricting the generality of the foregoing, a claim for loss or injury to persons or property due to the Applicant's negligence or failure to comply with any condition of the Excavation Permit. The Applicant's indemnity shall extend to, and the Applicant shall be solely responsible for, any and all acts and omissions of the Applicant's officers, employees, contractors, and agents, and shall survive the expiry or termination of the Excavation Permit.