



MUNICIPAL DEVELOPMENT STANDARDS

SECTION 7 – FRANCHISED UTILITIES

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Planning & Engineering

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7 FRANCHISED UTILITIES

7.1 General

All work necessary for the installation of gas, power, street lighting, telephone, and cable television will be the responsibility of the Developer and the installation of these utilities will be a condition of development. In addition to the financial responsibilities, the Developer must initiate and coordinate the design, approval, and construction of these services as well as register all easements required in the name of the City of Lloydminster. The installation of these services will require an Excavation Permit to be obtained from the City. Prior to being granted an Excavation Permit, the alignment of the new services must be approved by the City. Upon approval, the City will issue an Approval Code which must be cited on the Excavation Permit application.

7.2 Design Standards

7.2.1 Location of Utilities

Unless otherwise approved by the City, all gas, power, telephone and cable television distribution lines and service connections must be installed in preferred locations as per the standard cross section details. Proposed alignments are not to be under the road surface, except for crossings. Crossings will be perpendicular to the road centreline, or as close to perpendicular as possible. Proposed alignments should not be under sidewalks, unless no other location within the boulevard is feasible. In the event an alignment must be under, or cross, a sidewalk, it must be placed at a depth of 1.5-1.8 m, in order to avoid conflicts with services and future replacement of the sidewalk.

For all urban applications, power must be underground. For isolated rural applications where the installation of buried power may not be practical, above ground power may be acceptable to the City.

All distribution cables for primary and secondary power, telephone, cable television and street light feeders, may be installed in one common 300 mm wide trench at the required alignment.

Street lights must be placed at locations not interfering with proposed driveways and services and be located in line with the extensions of common property lines between two lots.

The face of any structure (e.g. posts, poles, pedestals, vaults, and transformers) must be at least 1.0 m clear of the face of the curb, and 1.5m clear of any driveway, approach or apron.

7.2.2 Separation from Other Utilities

The franchised utilities must be separated from the deeper municipal utilities (i.e. water and sewer) by not less than 3.0 m laterally. A minimum separation of 2.0 m laterally from any surface structure (manholes, catch basins, valves, etc.) must be maintained, with a separation of 3.0 m preferred.

A separation of 1.2 m from other franchised utilities is also required, with the exception of common (three-party) trench installations.

A separation of 1.2 m from any City of Lloydminster owned fibre optic line is required. All crossings must be exposed by hydro-vac to verify depth prior to work commencing.

7.2.3 Compaction of Trenches

All trenches located on municipal property or within municipal easements are to be compacted to the standards set forth in the Conditions of the Excavation Permit, which can be found on the City's website, www.lloydminster.ca.

Where work is carried out in the roadway, the asphalt pavement is to be replaced at the same thickness as was removed. This asphalt must be placed within four (4) weeks of the excavation work carried out in the roadway.

All trenches or excavations within a roadway must have density tests performed as per the requirements stated in Section 9.3. See Standard Drawing 4-100 for detailed compaction requirements.

7.2.4 Rights-of-Way, Easements, and Public/Municipal Utility Parcels

The Developer must provide, to the satisfaction of the utility companies, rights-of-way, easements, Public Utility Lots (P.U.L.) and Municipal Utility Parcels (M.U.P.) to accommodate the utility servicing, registered in favour of the City of Lloydminster.

Easements must be registered on each lot prior to the sale of any lot in the development area.

7.2.5 Design Drawings

Design drawings for franchised utility installations must conform to the following criteria:

- Scaled and dimensioned in a standard metric scale;
- All text of a size and shade as to be clearly legible;
- All existing and proposed linework, line types, blocks and hatching clearly identified in a legend;
- North arrow;
- Utility company name, design company name (if different), and project number(s) provided in a title block;
- Show all municipal infrastructure (utility mains, manholes, hydrants, valves, etc.);
- Show all existing and proposed franchised utility alignments and infrastructure, including method of installation (e.g. boring, trenching, etc.);
- Show dimensions between proposed alignments/structures and municipal infrastructure;
- Indicate total length of proposed installation in lineal metres;
- Show property lines, easements, rights of way and setbacks;
- Show street name(s), lot and block number, and civic address of properties; and
- Show curb lines, sidewalks, and trails.

The location and alignment of municipal infrastructure can be found on the City's interactive GIS map, www.lloydminster.ca/citymap.