

Drawing Standards for Utility Line Assignments (ULA) Submissions

ULA drawing submissions shall be clear, concise, and of legible design, produced in color at a size relevant to overall project. Multiple pages may be required for legibility. Applications are received on-line and attachments shall be in pdf format.

DRAWING REQUIREMENTS

Title Block shall contain:

- Utility name and/or logo
- Project / Job file number
- Consultant name – if applicable
- Location of proposed project
- Designed by: name & phone #
- Plan number
- Drawing scale: Hor. 1:500 ; Vert. 1:50 true scale, minimum multiple page drawings may be scaled smaller to minimum 1:1000 true scale
- Issue date (& revision date; if applicable)

Base Information shall contain:

- Legal base plan, with Street and Avenue names, lot and block numbers, north arrow
- Existing edge of pavement and property lines and walk ways
- Existing utility information – utilize international color code (change gas from yellow to magenta) and label to identify size and type of utility
- Proposed conceptual details (if known)
- Delete any unnecessary information not relevant to project to ensure a clear uncluttered display

ATCO Gas – Magenta (normally yellow) Power/Street Light/Traffic – Red
Telecom – Orange
Water – Blue
Drainage - Green

Construction Proposal shall contain:

- The minimum depth of cover is understood as minimum depth under the lowest point in the cross-section. A minimum 1.0 m depth of cover below the lowest point in the cross section shall be maintained throughout all crossing areas.
- No open excavation or open cut method shall take place within a minimum of 2.0 metres of any road surface and within 2.0 metres of culverts and signs.
- The angle of all road crossings shall be between 70 and 90 degrees.
- A distance of 3.0 metres minimum must be maintained between paralleling utilities and Parkland County Water and/or Sewer lines.
- Proposed alignment shown with bolder line weight

Solid line => directional bore  (<---bore--->)

Dashed line => trenching 

Construction notes to indicate type of installation and location (*i.e. Install 1-100mm conduit, 2.3M north of south property line*) as well as dimension details to P/L

- Alignment / offsets shown in metric or coordinates (northings and eastings)
- Construction notes to indicate 'PUSH' for road and/or driveway crossings; if applicable
- Proposed alignment dimensionally tied to nearest property lines
- Notes on plan should provide explanation of proposed work – larger scaled detail plan may be used to clarify complex areas.
- All symbols relevant to your design should provide complete written description (*i.e. type and size of pedestal/cabinets; vaults & hand holes*) or detail plan views.
- A key plan must be included for projects in difficult to locate areas or those covering a large area. (especially in 'named' subdivisions)
- Construction notes to indicate clearance to other utilities is maintained when proposed alignment is in vicinity of other utilities.
- Revised Drawings with changes clouded in red

Construction Notes shall contain:

- Utility locate contacts: - i.e. Alberta One Call @ 1-800-242-3447 and/or Shaw Cable @ 1-866-DIG-SHAW
- Any and all Information relevant to construction
- Include additional comments with regards to Pipeline Agreements and/or pipeline identification

Legend shall contain:

- All symbols relevant to your design
- All line weights and line styles relevant to your construction
- A written description of the above symbols and lines