

Water Licence Application Drawing Standards

These standards apply to Water Licence applications and Use Approval applications. Applicants are required to meet the following Drawing Standards. If the submitted drawing does not meet these standards, the application may be returned.

Drawing Requirements

The items listed below are cross-referenced on the sample drawings with their corresponding numbers. The numbers do not need to be included on the final map.

1. Show the location of the water source in relation to the property boundaries and if applicable, indicate the direction of flow for streams.
2. Show the legal property boundaries of the land where the water will be used.
3. Label the proposed water intake, diversion structure or well and identify where the water will be used (e.g. dwellings, barns, pastures, etc.).
4. Label all works, existing or proposed (e.g. pipeline, pump, dugouts, ponds, reservoirs, irrigation systems, existing wells, etc.). All works that are listed on the application must be shown on the map.
5. Show all parcels of land, both private and Crown, which will be physically affected by the proposed works (e.g. crossed, flooded, used as access, etc.).
6. Identify the area(s) to be irrigated, if applicable.
7. If storage is needed, show the location of the reservoir and indicate whether it will be manmade or on a natural pond or lake.
8. If any land is to be flooded, identify the area that will be underwater in relation to the property boundaries.

Drawing Options

Sketches:

- Show the scale of the drawing (e.g. 1:5000, 1 cm = 50m) and a North arrow and the coordinates for the center of the drawing (e.g. Latitude and Longitude or UTM)
- A Regional District Composite Map, Surveyor's Certificate or Legal Survey Plan may serve as the base map for the drawing
- A hand drawn map may be acceptable if legible and all requirements are met
- You may create a digital drawing using an online mapping program such as:
 - BC Agriculture Water Calculator (<https://bcwatercalculator.ca/agriculture/welcome>)
 - Integrated Land and Resource Registry (ILRR) (<https://www2.gov.bc.ca/gov/content/data/geographic-data-services/land-use/integrated-land-resource-registry>)
 - iMapBC (<https://maps.gov.bc.ca/ess/hm/imap4m/>)
 - Google Earth (<https://portalextnrs.gov.bc.ca/web/client/-/frontcounter-bc-discovery-tool.html>)

Digital Spatial Files:

It is strongly recommended that you submit a digital spatial file along with the sketch. Digital mapping tools <https://portal.nrs.gov.bc.ca/web/client/-/mapping-tools>

Examples of acceptable digital spatial files are:

- KML or KMZ
- Shapefile – must include supporting files (.shp, .shx, .dbf and .prj)
- Geomark: <https://www2.gov.bc.ca/gov/content/data/geographic-data-services/location-services/geomark-webservice>

Additional Resources:

[Water Sustainability Act](#)

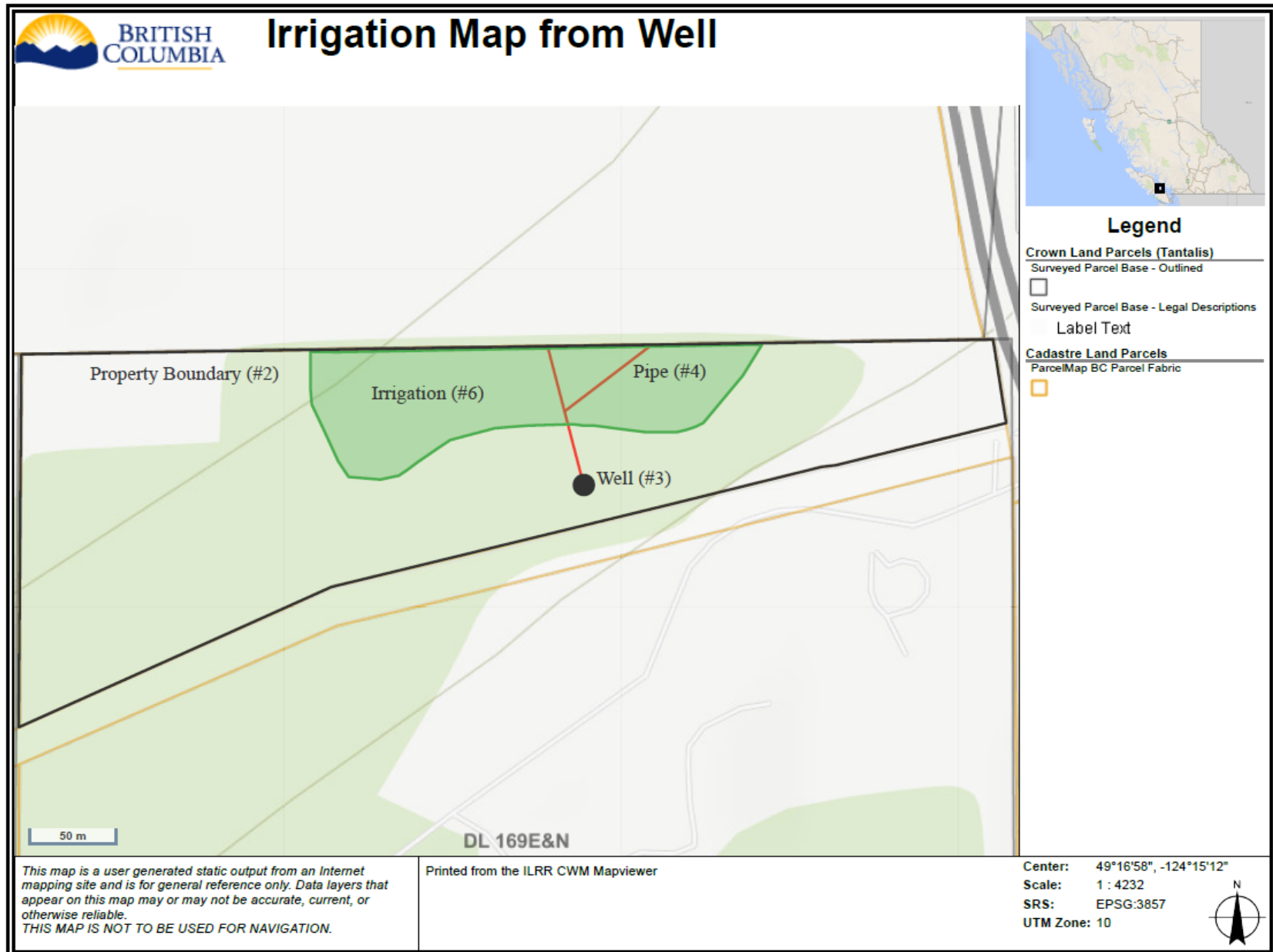
[Water Sustainability Regulation](#)

Developed: October 2024

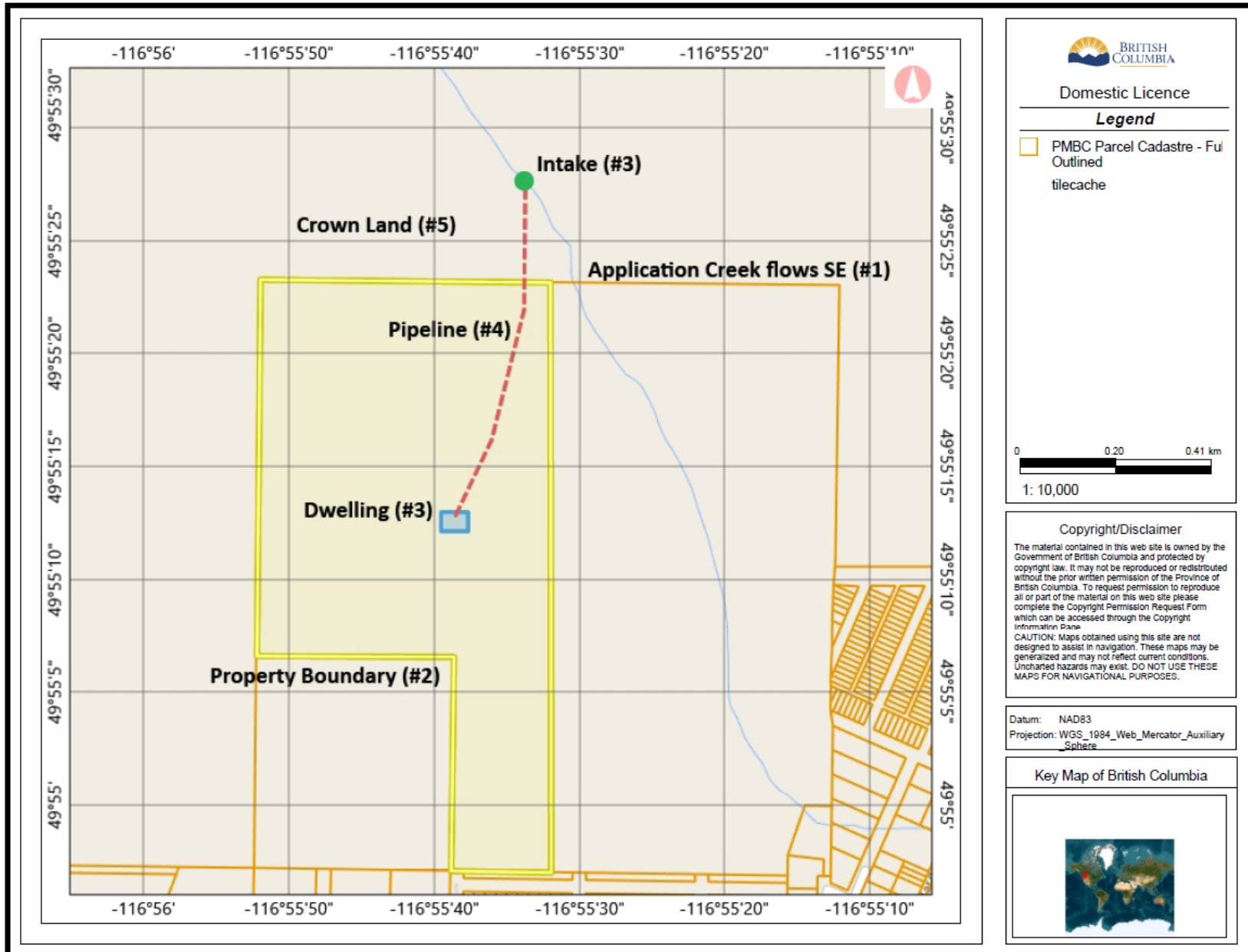
Example 1: BC Agriculture Water Calculator



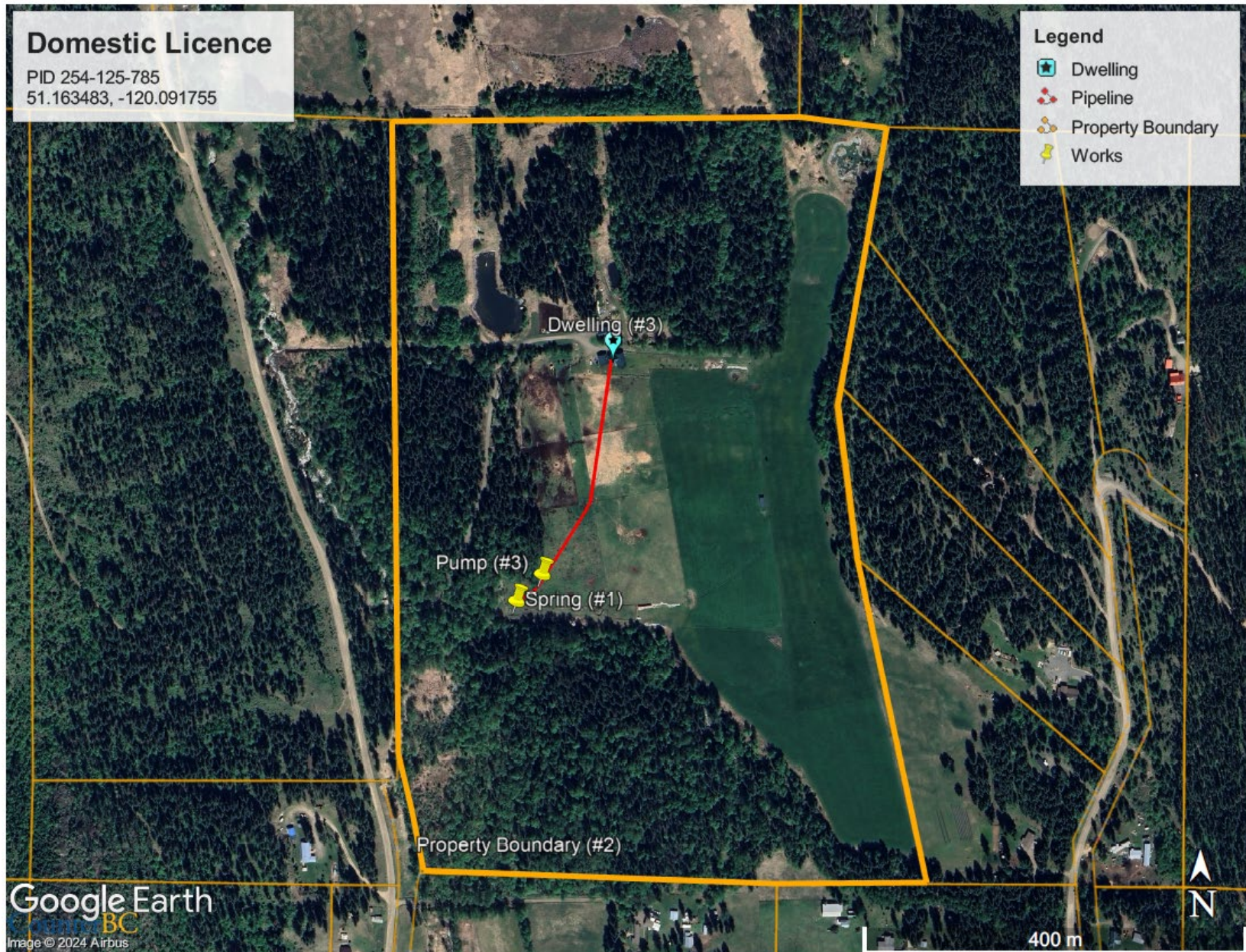
Example 2: Integrated Land and Resource Registry (ILRR)



Example 3: iMapBC



Example 4: Google Earth



Example 5: Survey Plan Base Map

