

# Bylaw 7900 – Subdivision, Development and Servicing Bylaw 2019 Updates

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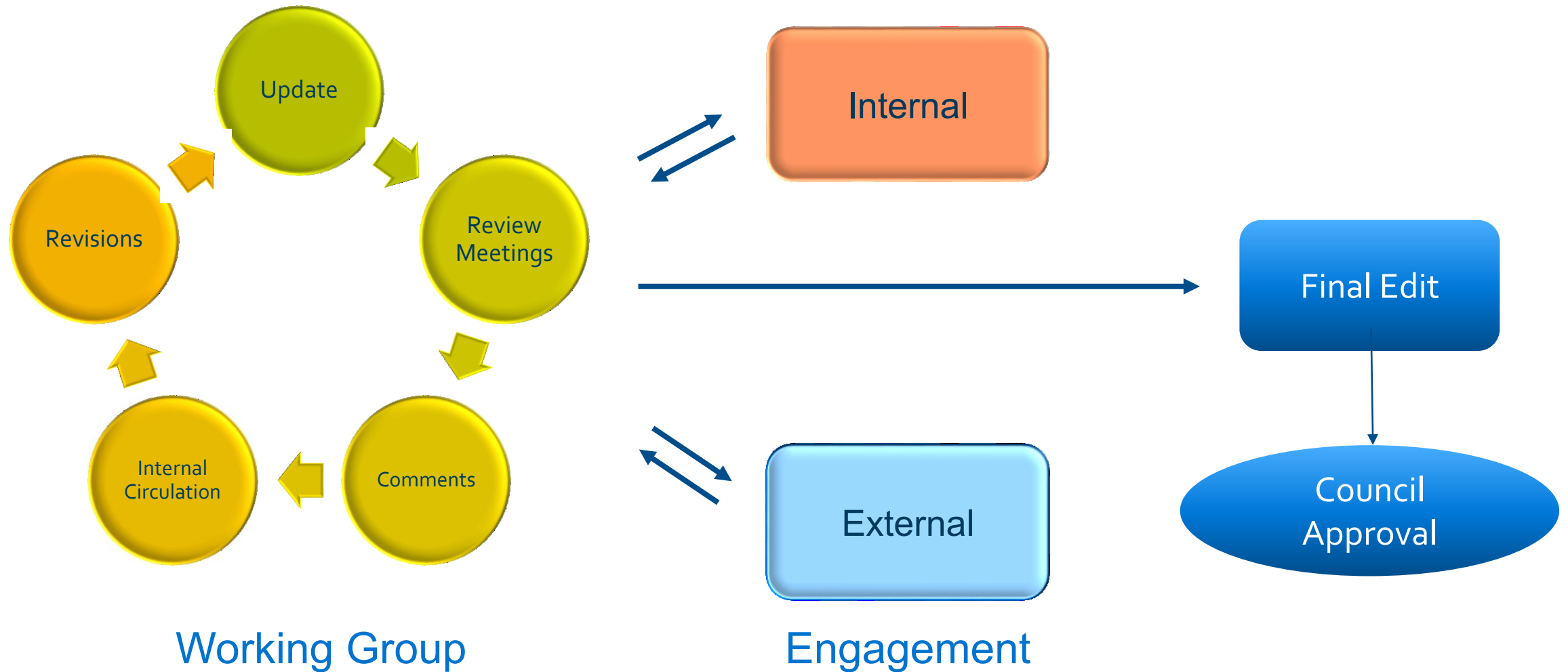
# Subdivision, Development and Servicing (Bylaw 7900)

- ▶ Sets out subdivision application procedures
- ▶ Provides Design and Construction Standards for works and services
  - ▶ Schedule 4 – Design Standards
  - ▶ Schedule 5 – Construction Standards
- ▶ Approved Products List (Policy 266)

# Objectives

- ▶ Update Design and Construction Standards in Bylaw 7900
  - ▶ Format to Municipal Infrastructure Design Guidelines - (MMCD, 2014)
- ▶ Ensure quality and long-lasting infrastructure
- ▶ “Living Document”
- ▶ Complements:
  - ▶ MMCD Specifications and Standard Detailed Drawings.
  - ▶ City - Schedule 5 – Supplementary Specifications and Supplementary Standard Detailed Drawings.
  - ▶ City - Policy 265 (Engineering Drawing Submission Requirements).

# Bylaw 7900 Review Workflow



# Design and Construction Standards

- ▶ Water
- ▶ Sanitary Sewer
- ▶ Drainage
- ▶ Transportation
- ▶ Electrical, Street Lighting
- ▶ Landscaping & Irrigation
- ▶ Hillside Development Standards



# Design and Construction Standards

- ▶ Water
- ▶ Sanitary Sewer
- ▶ ~~Drainage~~ Stormwater Management
- ▶ Transportation
- ▶ Electrical, Street Lighting
- ▶ Landscaping & Irrigation
- ▶ Hillside Development Standards

# Focus in 2019 - Stormwater

- ▶ Protect Okanagan Lake
- ▶ Improve Water Quality
- ▶ Address Climate Change
- ▶ Hillside and Hazardous Slope Issues



# Focus in 2019 - Stormwater

## ► Protect Okanagan Lake

- Route minor systems to natural watercourses
- Eliminate permanent groundwater pumping into the City storm sewer.
  - Reduce capacity issues near outlets to lake
  - Eliminate reliance on deeper water table
  - Improve groundwater quality into Okanagan Lake.

## ► Improve water quality

## ► Address Climate Change

## ► Hillside and Hazardous Slope Issues





# Focus in 2019 - Stormwater

- ▶ Protect Okanagan Lake
- ▶ **Improve water quality**
  - ▶ Emphasis on water quality to Okanagan Lake.
  - ▶ Must meet Provincial (MOE) Recreational Water Quality Guidelines.
  - ▶ Control manholes added
  - ▶ Expanded Erosion & Sediment Control process
- ▶ Address Climate Change
- ▶ Hillside and Hazardous Slope Issues



# Focus in 2019 - Stormwater

- ▶ Protect Okanagan Lake
- ▶ Improve water quality
- ▶ **Address Climate Change**
  - ▶ Consultant to consider climate change in calculations
  - ▶ Flow conditions/debris flow
  - ▶ Minimum 15% capacity increase
  - ▶ Response required.
- ▶ Hillside and Hazardous Slope Issues



# Focus in 2019 - Stormwater

- ▶ Protect Okanagan Lake
- ▶ Improve water quality
- ▶ Address climate change
- ▶ **Hillside and Hazardous Slope Issues**
  - ▶ Focus on safe conveyance of stormwater to natural watercourse
  - ▶ Roof/site drainage direct to Storm
  - ▶ No infiltration to ground (except foundation)





# Focus in 2019

- ▶ Fire Flows (Section 1.5)
  - ▶ Development Permit Stage
    - ▶ No change – Use table.
  
- ▶ Building Permit Stage
  - ▶ Section 3.2.5.7 of the BC Building Code.
  - ▶ Automated sprinkler systems to NFPA 13
  - ▶ Confirmation required.
  - ▶ Calculated fire flow must not exceed the minimum requirements for that zoning

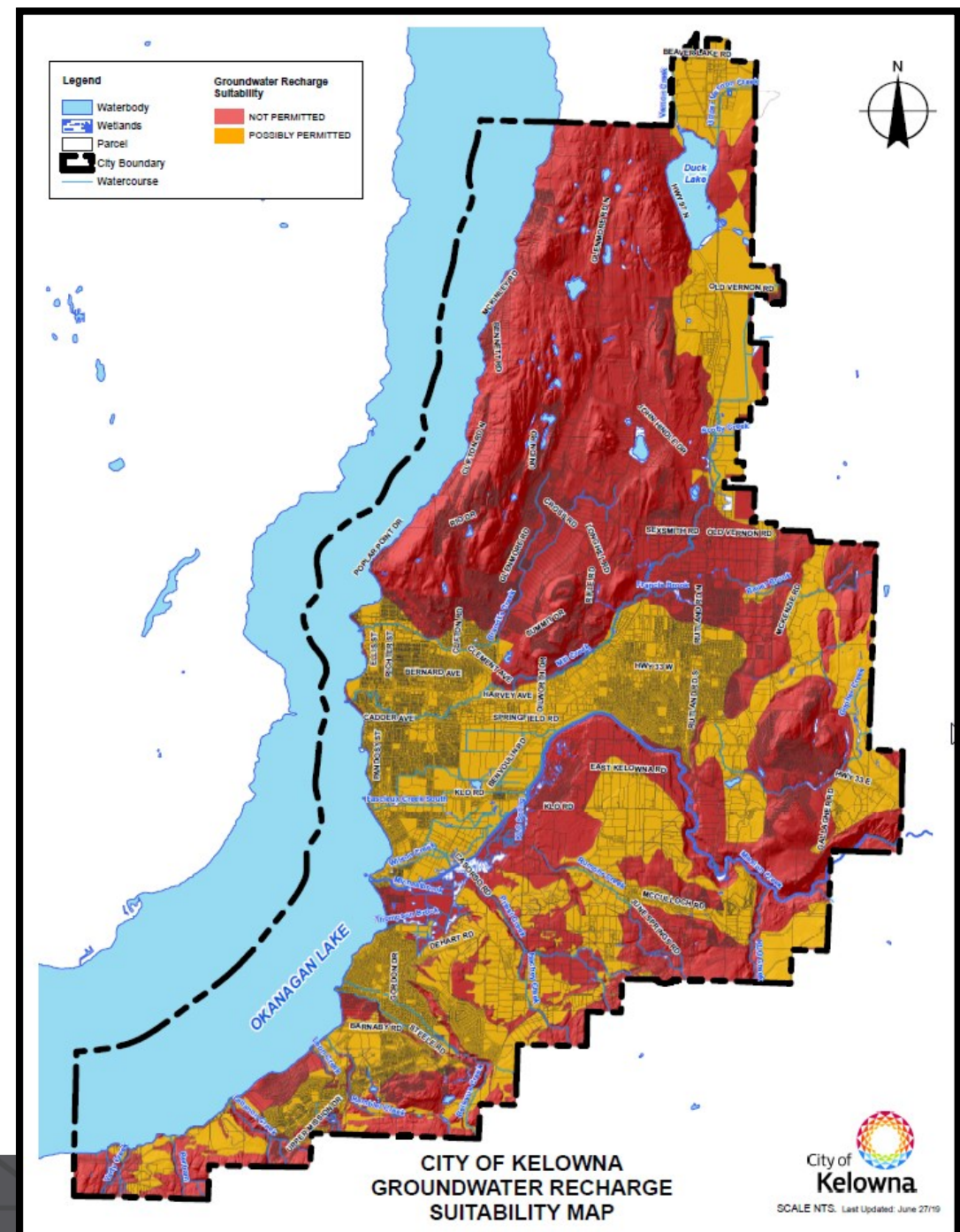




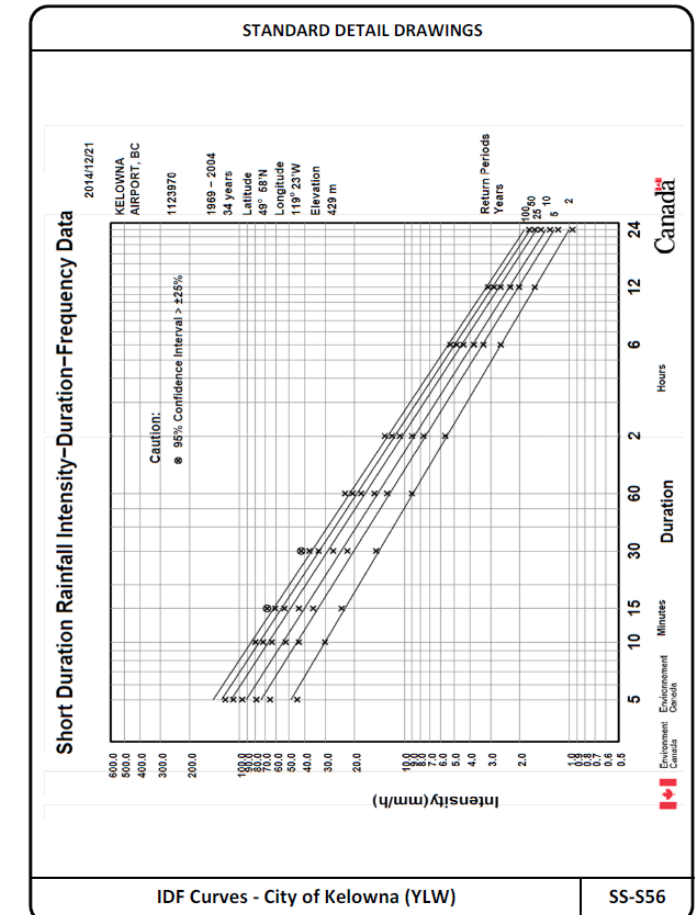
# Drawing Updates

## New

- Map identifying where Infiltration to Ground is suitable.



- ▶ IDF Curve
- ▶ Service/Manholes Sizing





# Thank you

