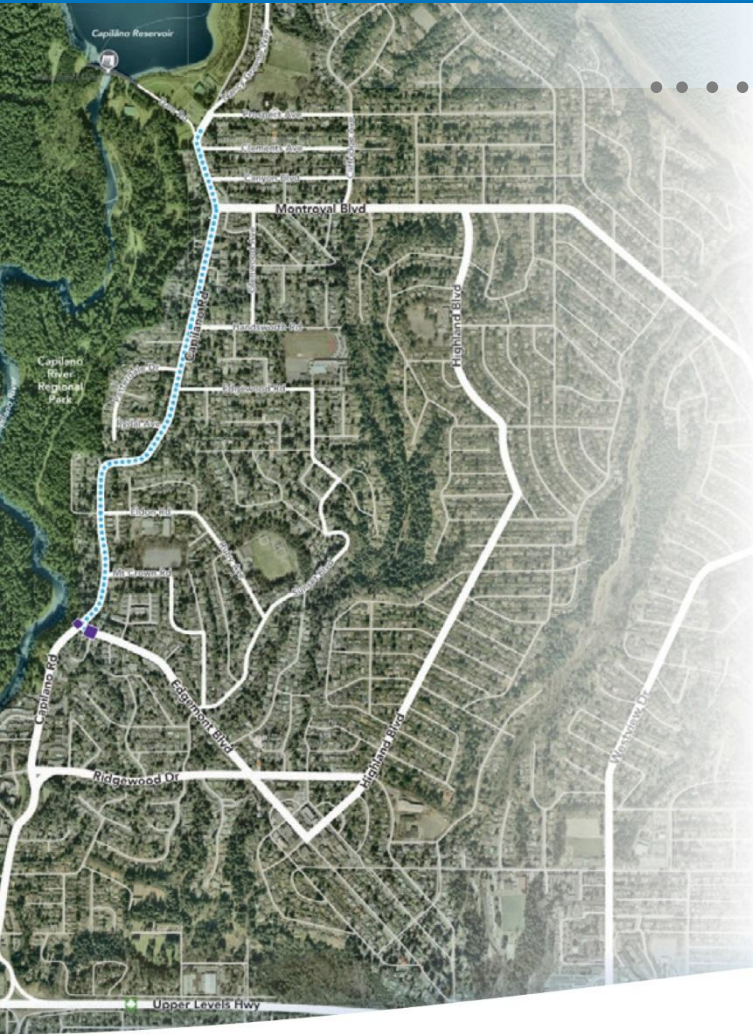


# Capilano Water Main Project



## EUCCA presentation

1. Project Overview
2. Schedule
3. Minimizing Impacts
4. Traffic Management 1-4
5. Transit
6. Communication Update

**metro**vancouver

SERVICES AND SOLUTIONS FOR **A LIVABLE REGION**

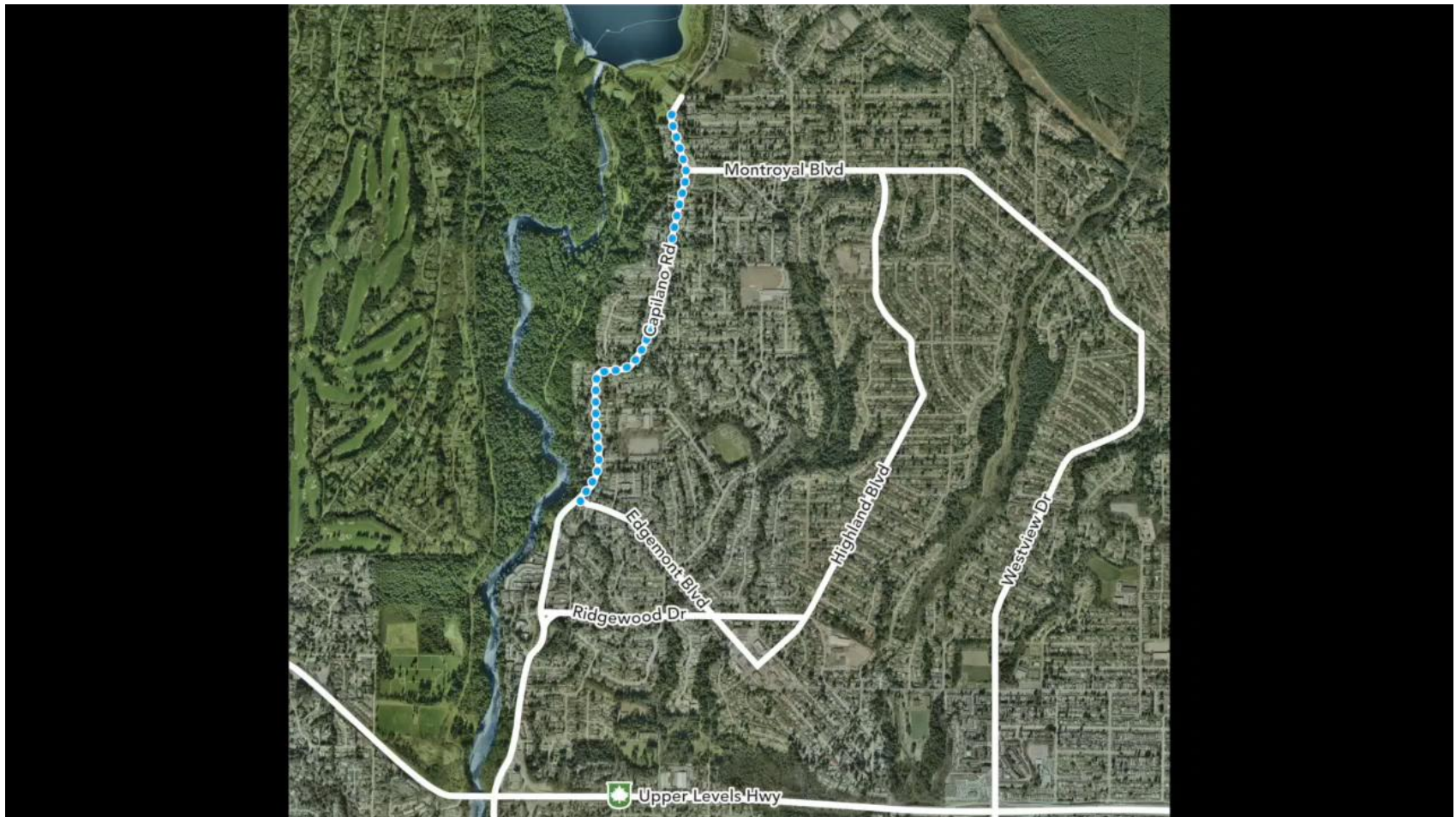


# Project area



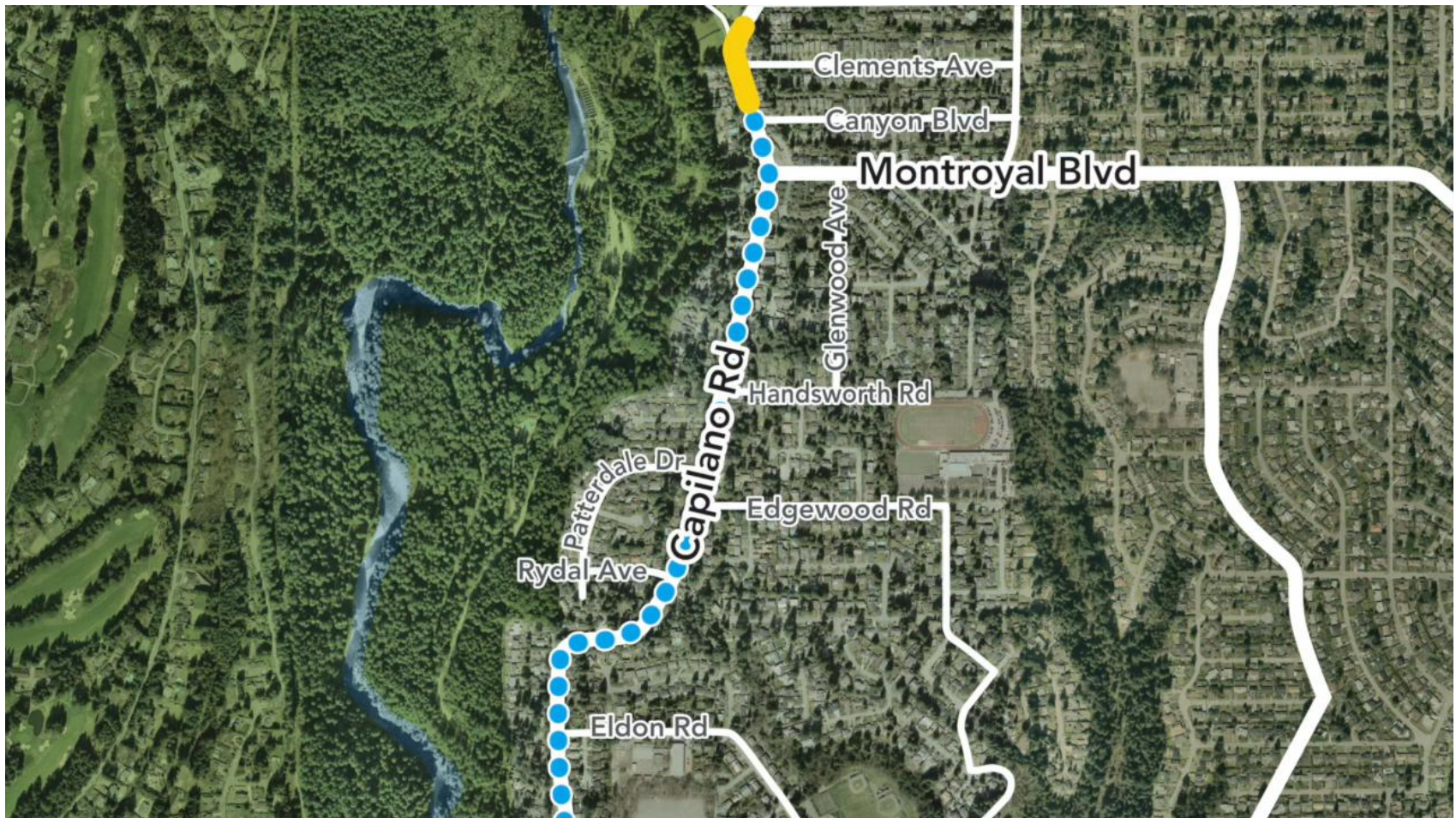


# 200-metre construction zone





# 200-metre construction zone



# Project overview

## Legend

..... New Pipe Alignment

■ Valve Chambers

↔ Detour Routes

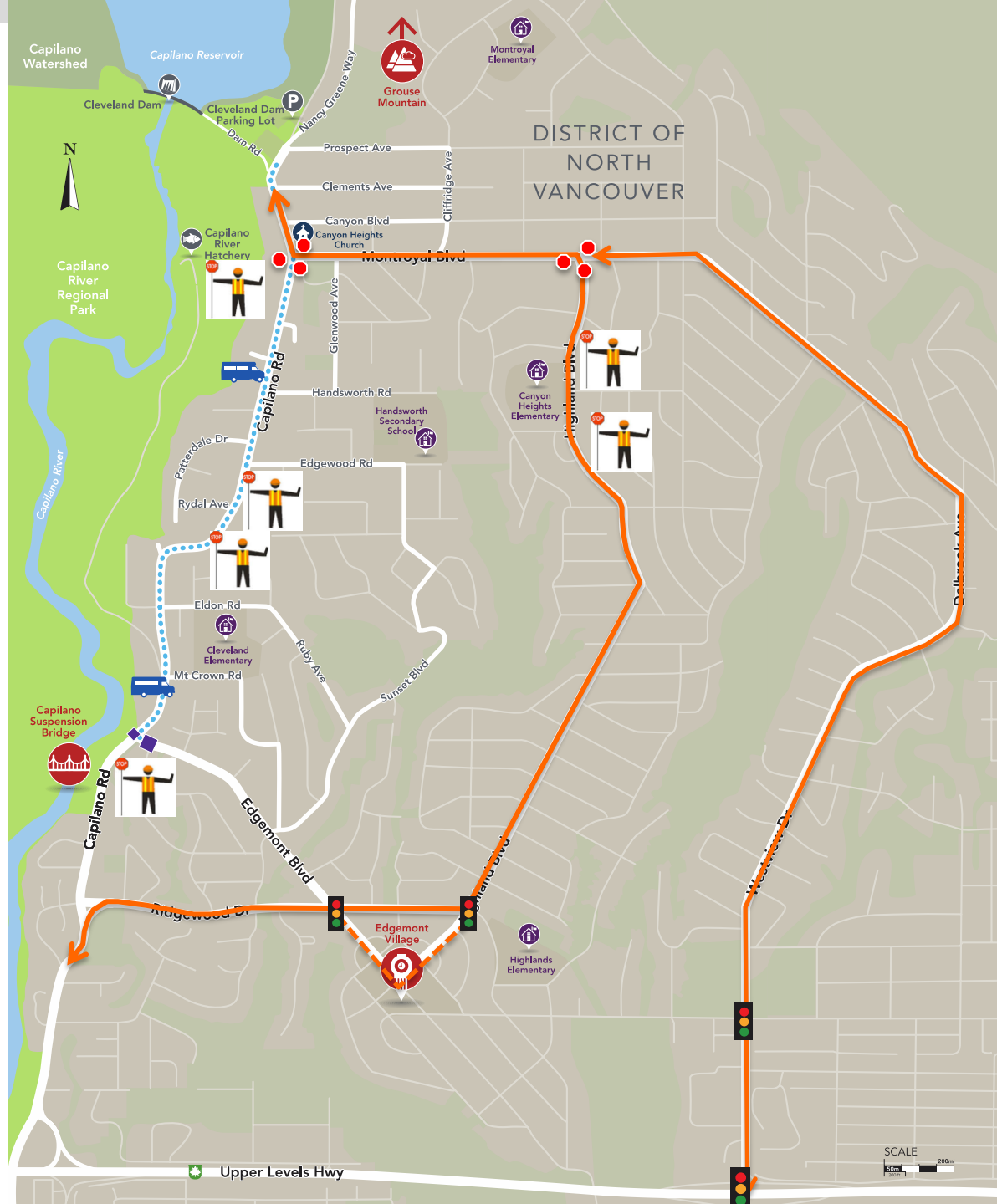
🚌 Shuttle Bus

🛑 New Temporary All-Way Stops

🚦 Temporary Signal Control

🏫 School

🚧 Traffic Control + 4



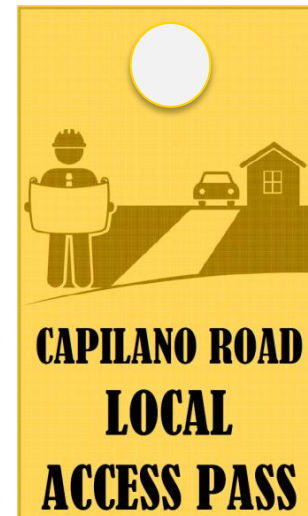
# Project timeline

Timeframe:	January 2013 – August 2015	August 2015 – January 2016	January 2016 – April 2016	May-June 2016
Project Activity:	Project planning, design, and preparation	Construction – Pipe Installation	Construction – Valve Chamber	Project complete and final restoration



# Minimizing project impacts

- Construction zone 200m
- Capilano Road open to local traffic
- Capilano Road Local Access Pass



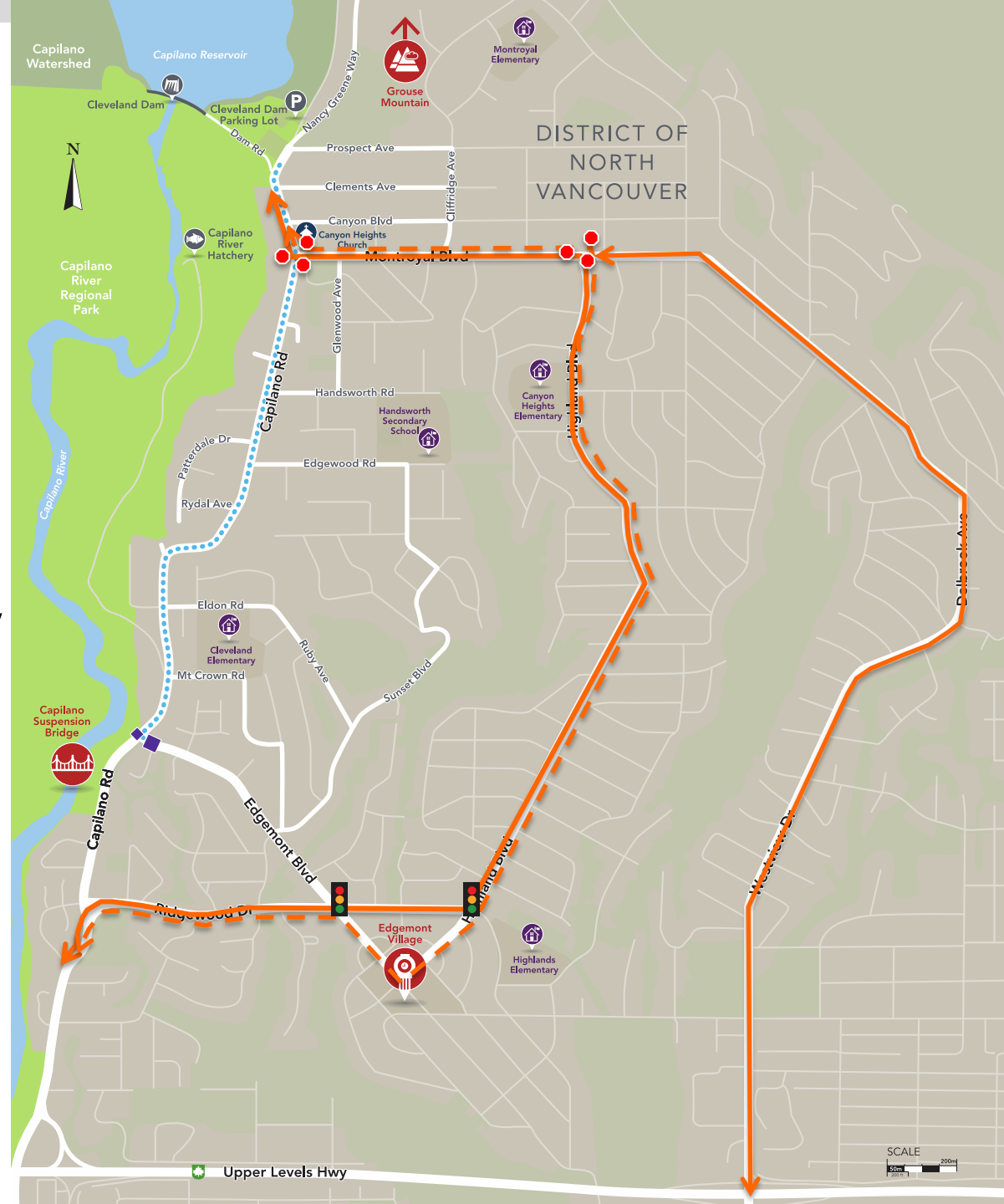
# Managing Traffic - 1

**Coordinating with DNV**

**Keep traffic moving, safely**

**Ensure safety in project area and on detour routes**

**Ensure emergency vehicle access at all times**

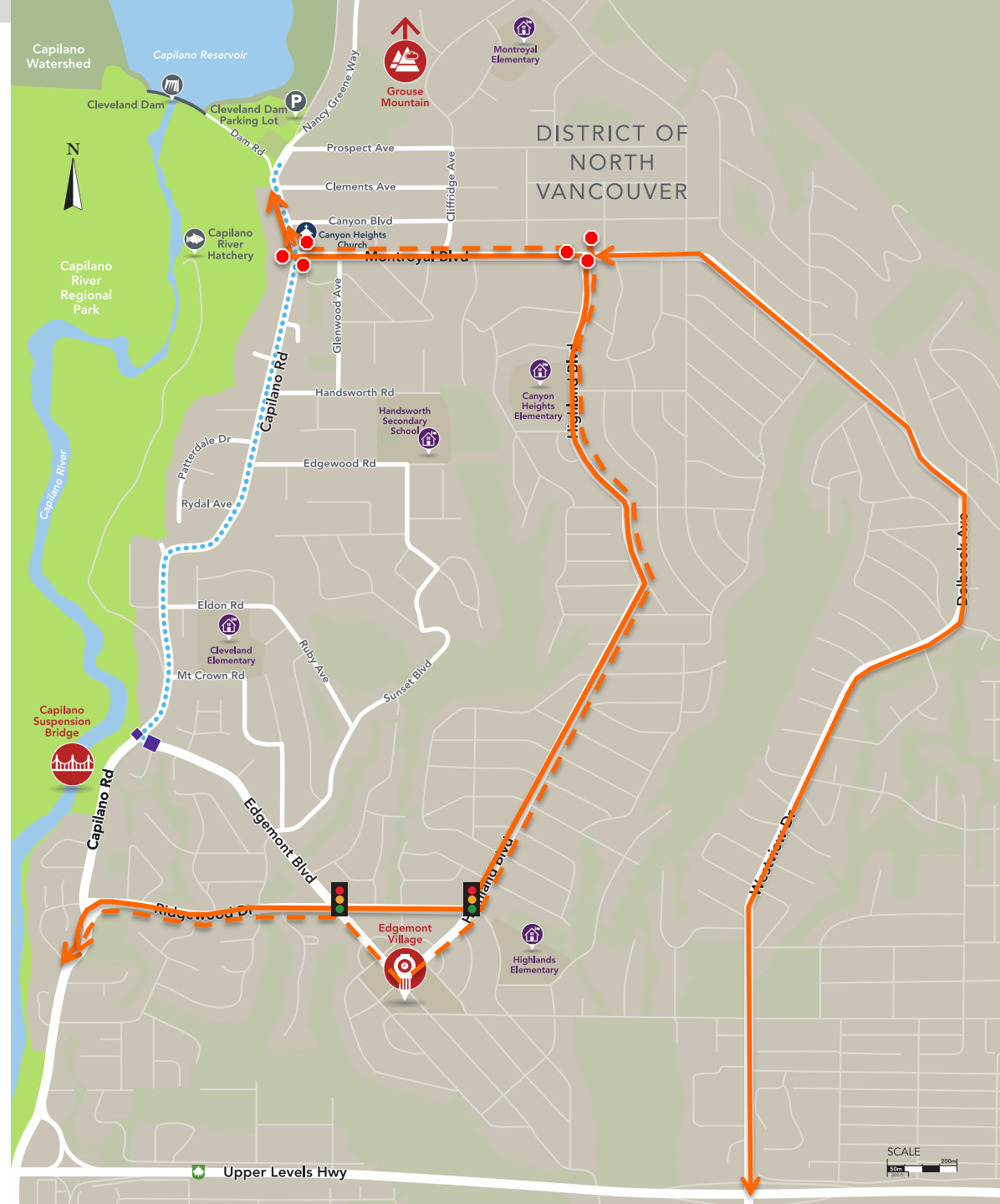




# Managing Traffic - 2

September 2015 –  
January 2016

Detouring commuter  
traffic away from the  
project area



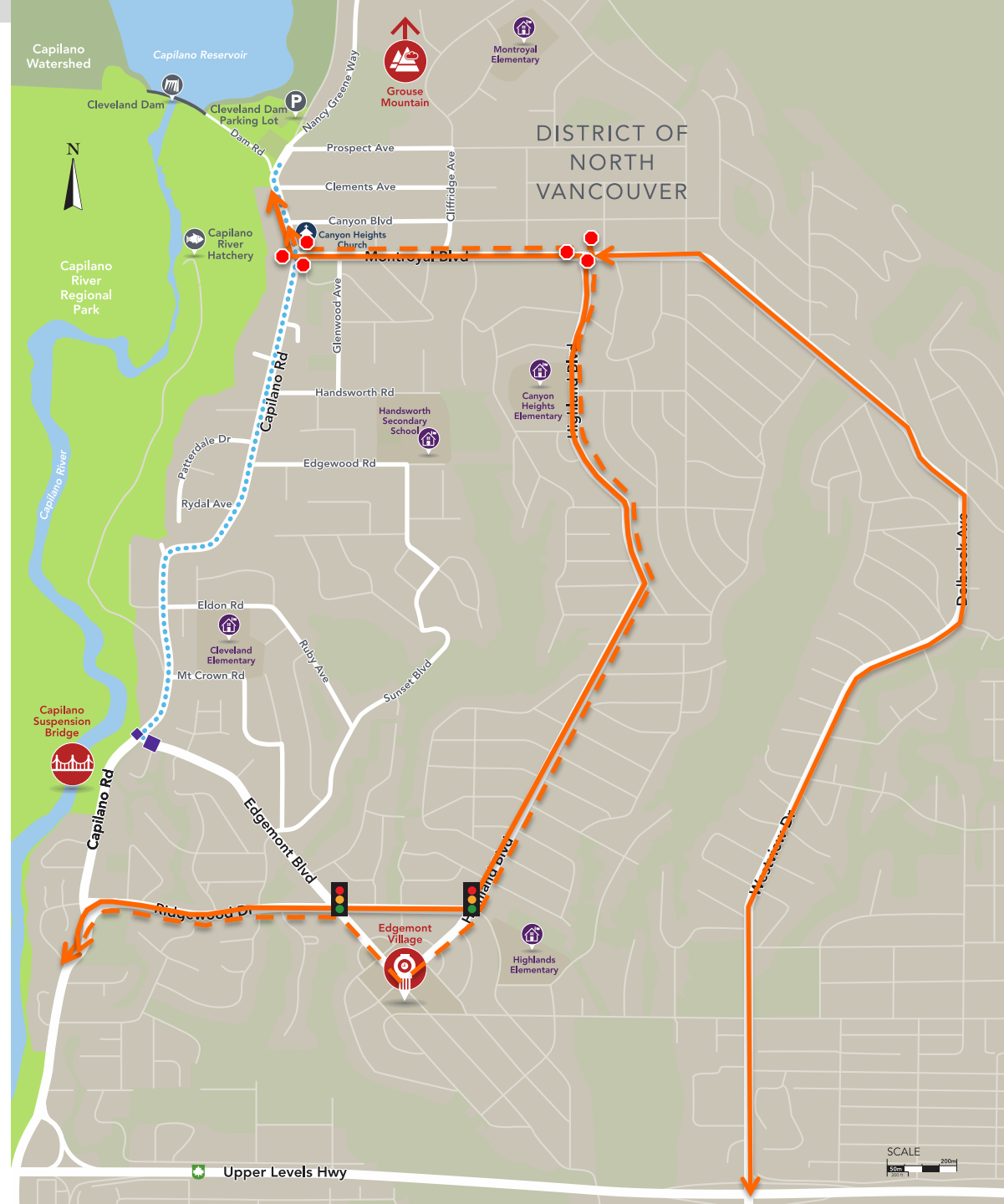
# Managing Traffic - 3

## Monitoring

- CLO, Traffic Engineering consultant on site
- RCMP
- Traffic cameras at key intersections
- Contractor's Traffic Management Supervisor
- Daily meetings between DNV staff, Traffic consultant, and MV staff on traffic management

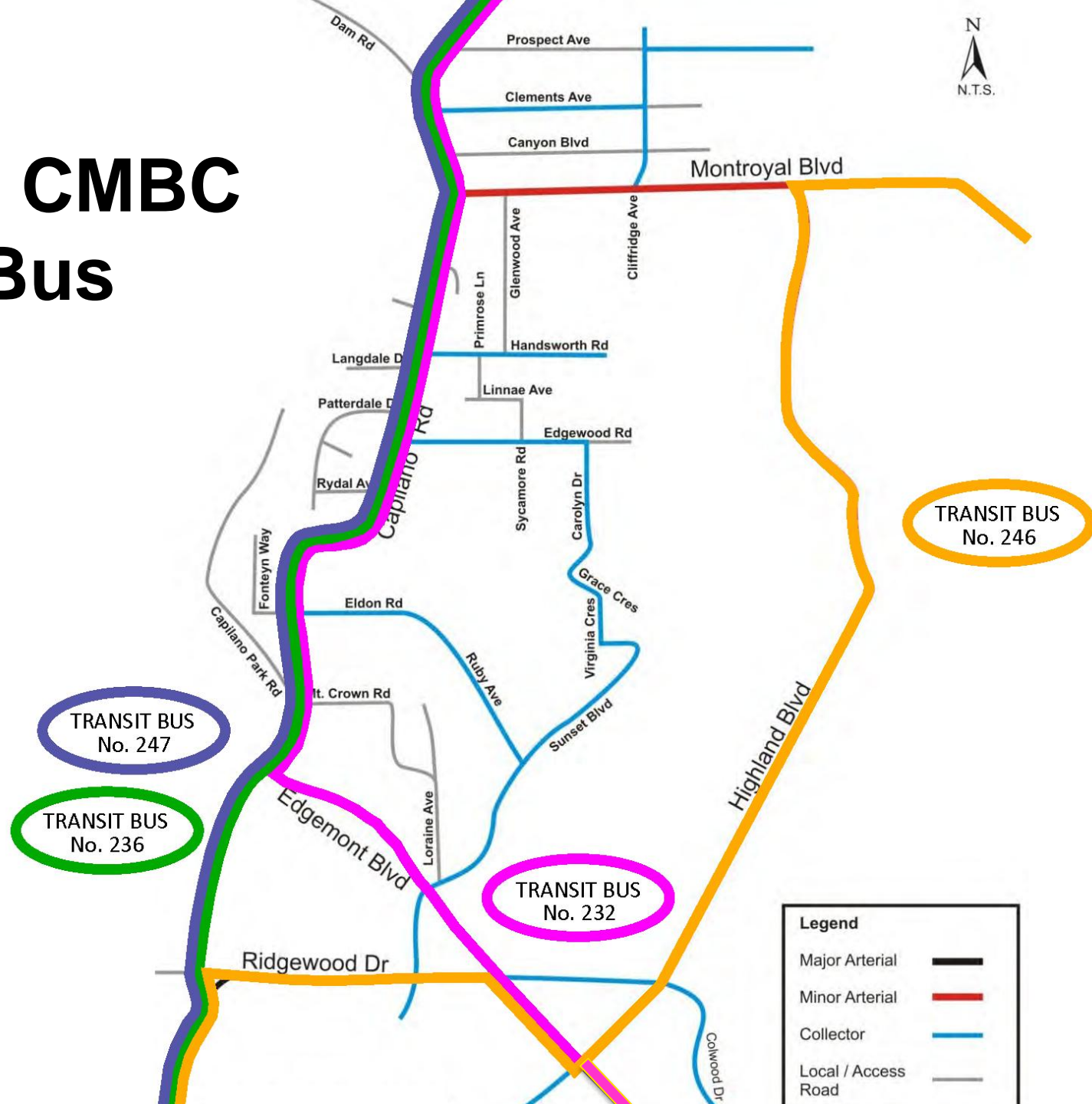
# Managing Traffic - 4

# Streets review



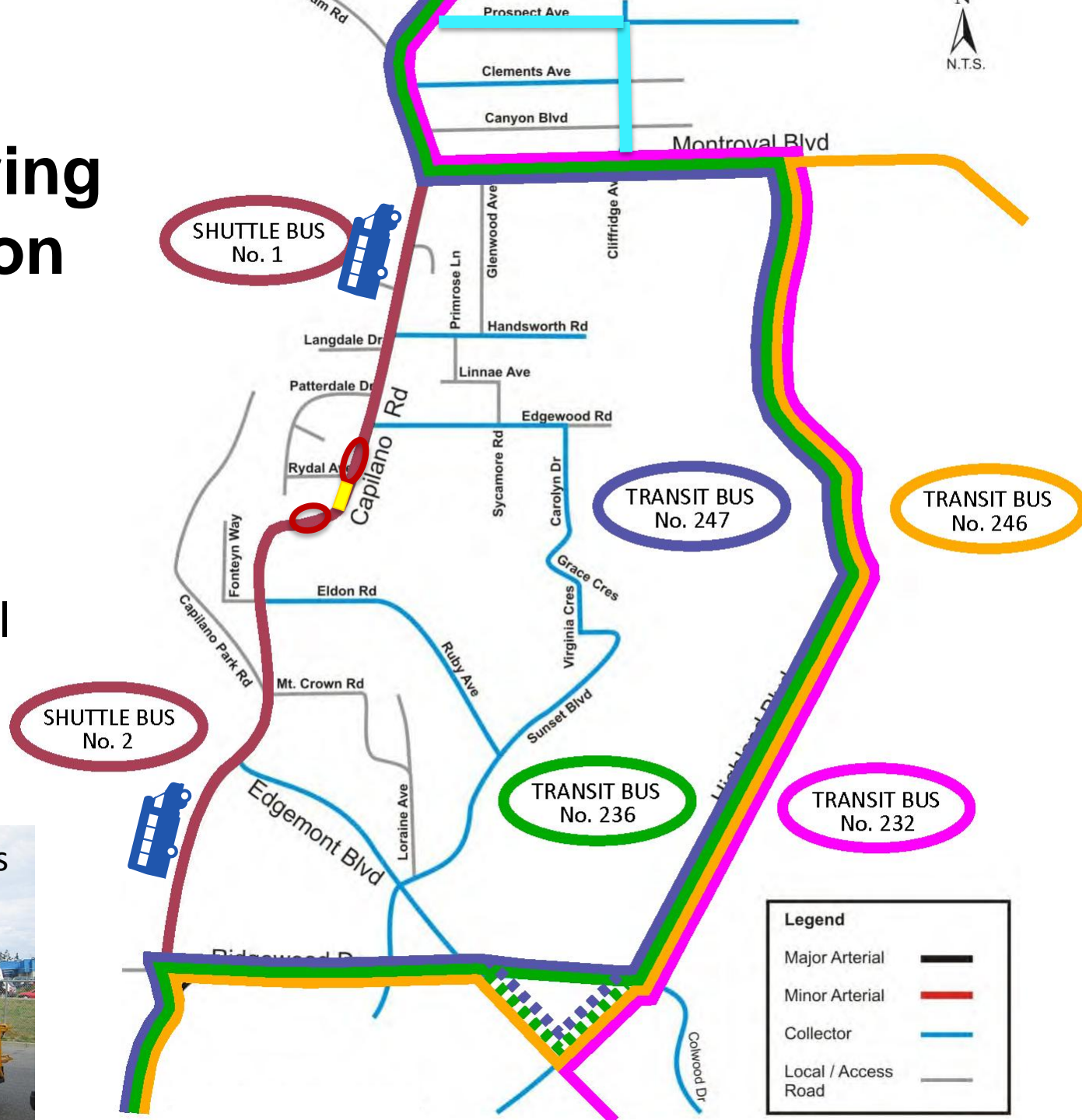


# Existing CMBC Transit Bus Routes

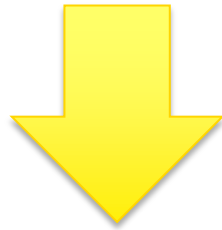


# Transit During Construction Detour

- Transit shuttle
- Bus detours
- Effects on local street parking



# Community outreach and communications



Timeframe	January 2013 – August 2015	August 2015 – January 2016	January 2016 – April 2016	May-June 2016
Project Activity:	Project planning, design, and preparation	Construction – Pipe Installation	Construction – Valve Chamber	Project complete and final restoration
Community outreach activity:	Initial outreach, stakeholder and community meetings, public meeting	Ongoing community engagement	Ongoing community engagement	Final communications



# Capilano Drinking Water Project



Questions?







Project scale



## Construction traffic - deliveries





# Construction traffic - pipe delivery



# Construction traffic - pipe installation



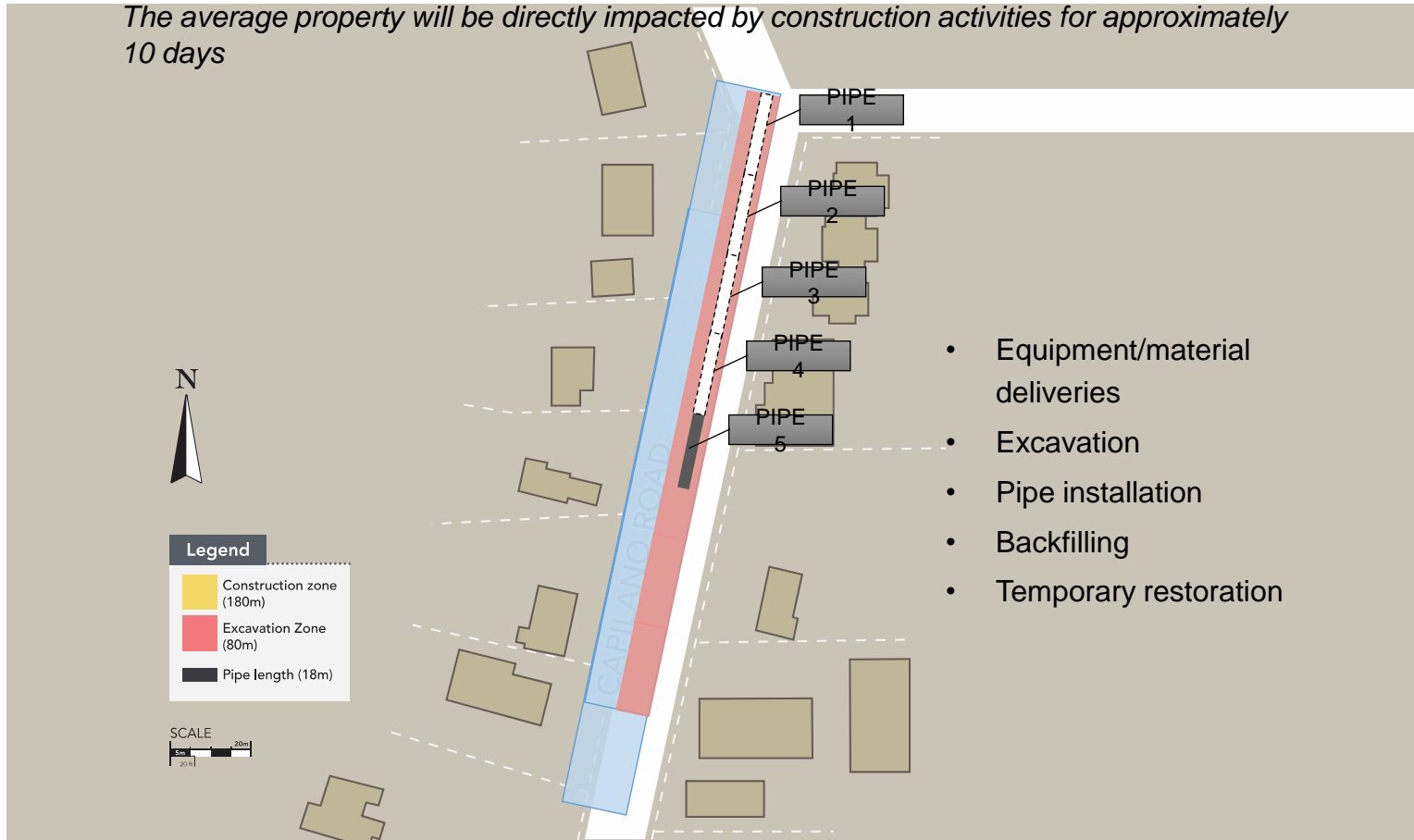
## Construction traffic – hauling to/from





# Typical watermain construction

*The average property will be directly impacted by construction activities for approximately 10 days*



# Excavation



# Backfilling





# Temporary pavement

*Installed following completion of each segment*





# Temporary paving complete

*Final paving of Capilano Road at end of construction*

