



City of  
**Kelowna**

# CITY OF KELOWNA

2013 Construction Projects



# 2013 REGIONAL SERVICES PROJECTS

# TRANSIT PROJECTS 2013

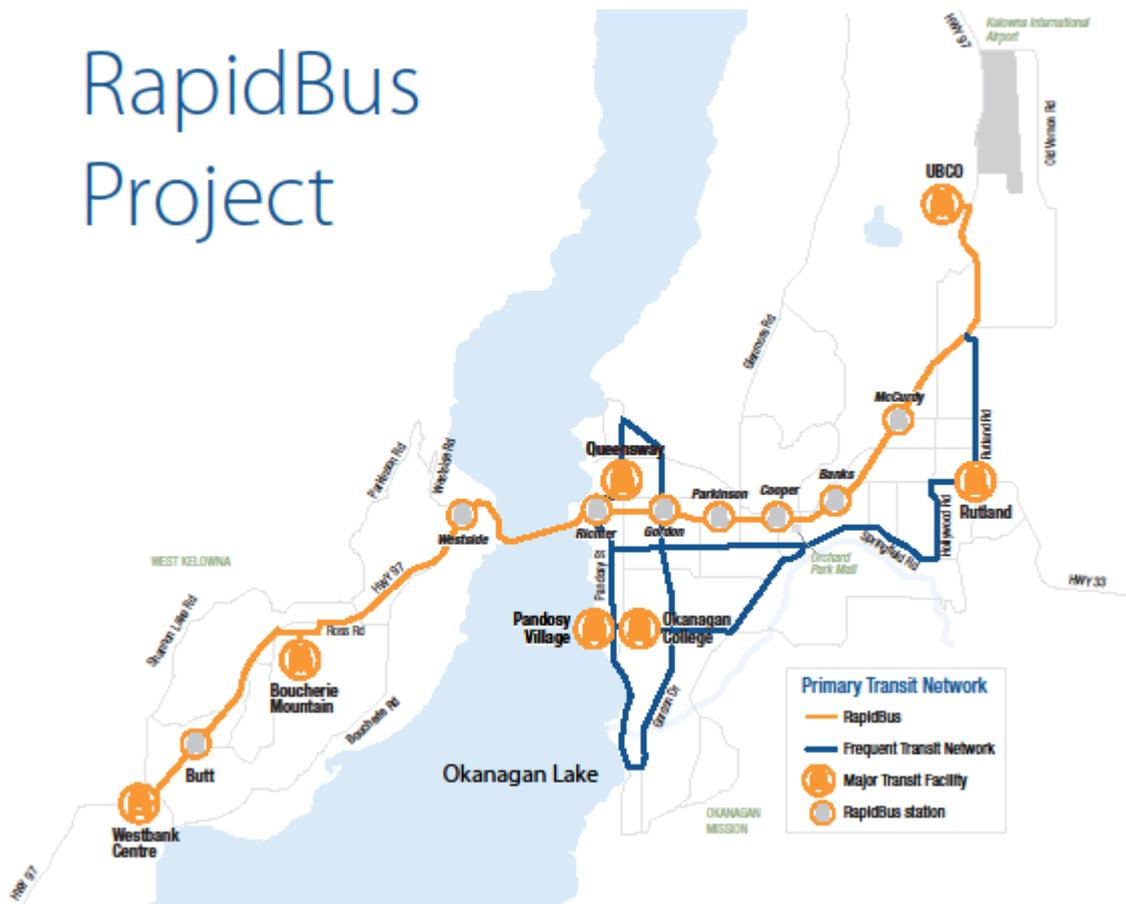
## RapidBus Phase 2 and 3 Projects in Kelowna

- ▶ - Highway 97 Stations at Richter and Gordon
- ▶ - Rutland Transit Improvements
- ▶ - Okanagan College Transit Exchange

[www.kelownarapidbus.ca](http://www.kelownarapidbus.ca)

# RAPIDBUS PHASE 2 AND 3

## RapidBus Project



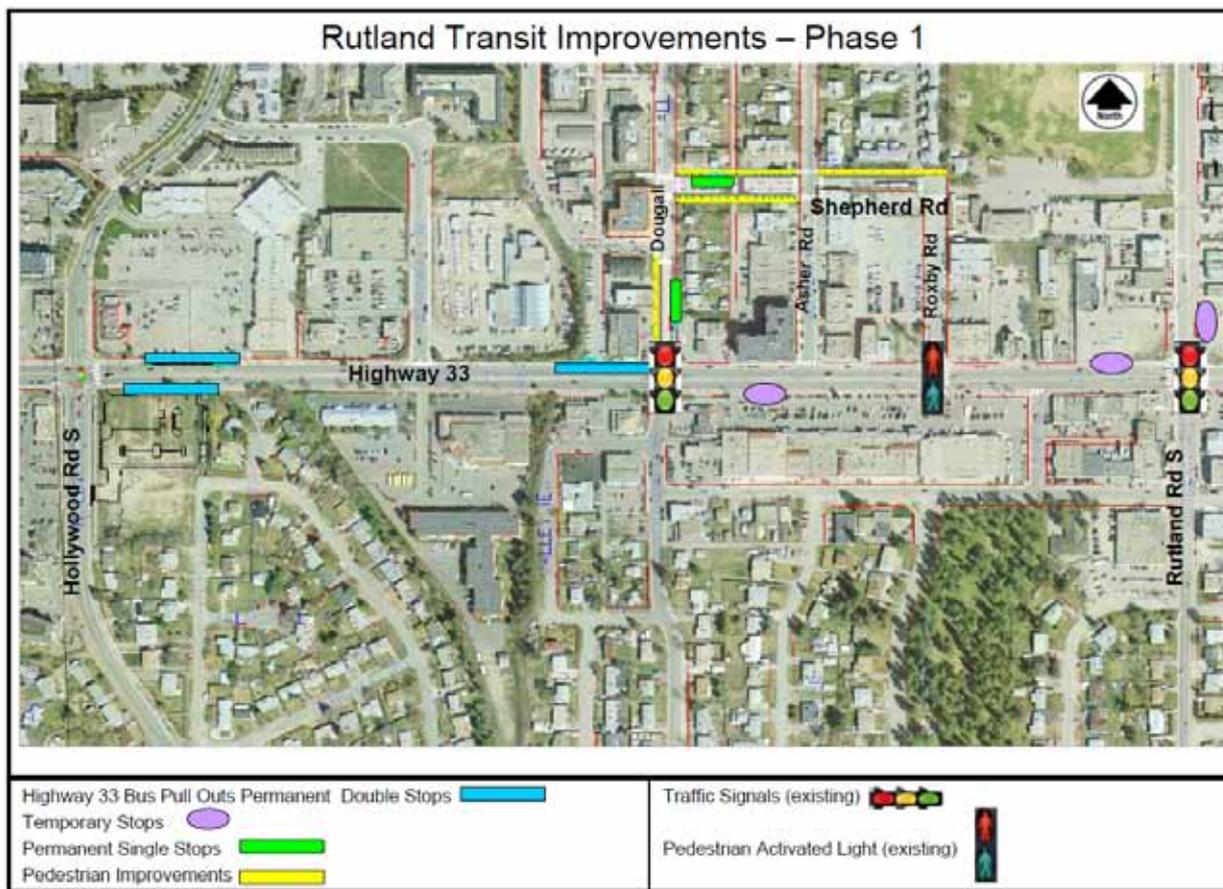




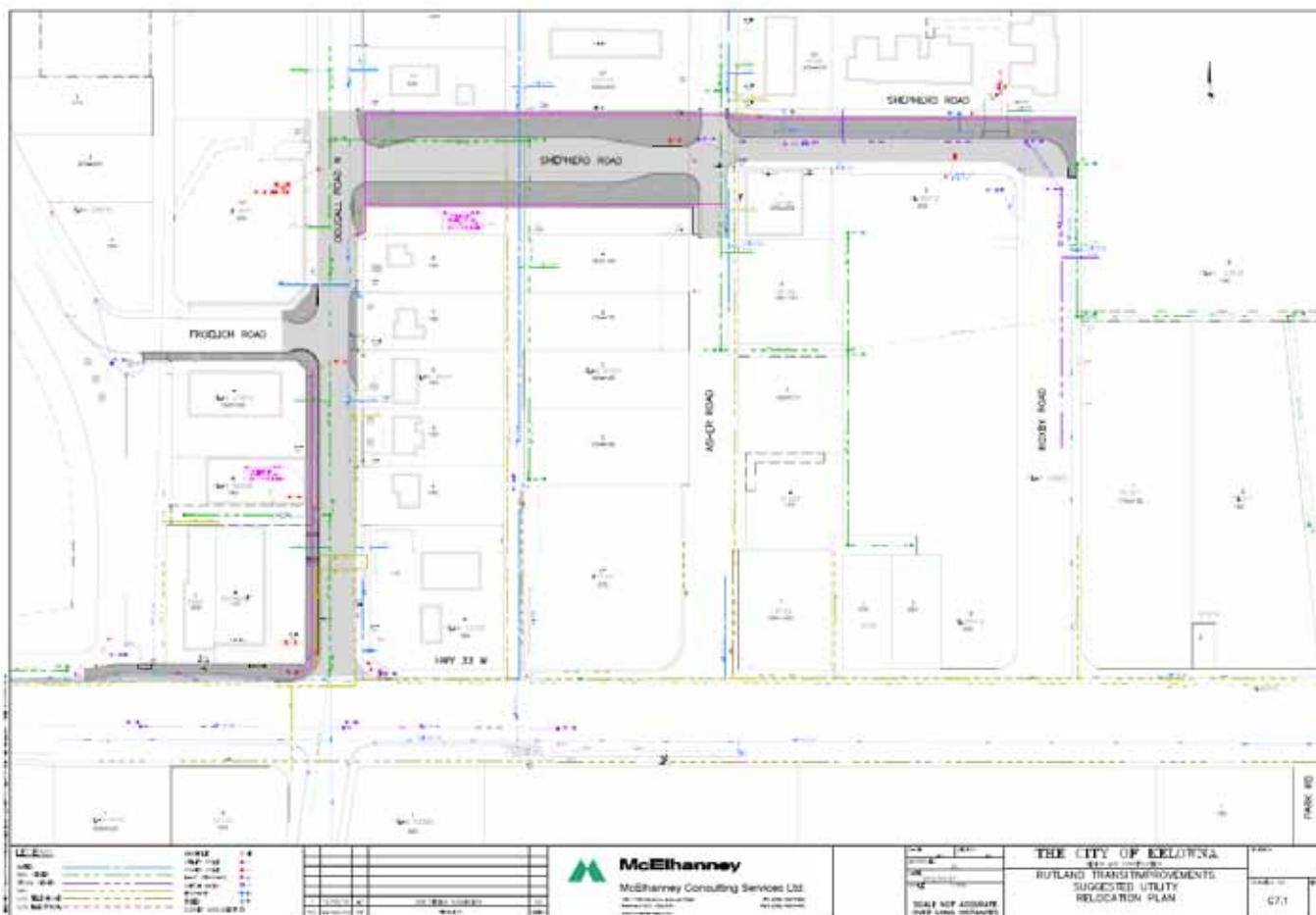
## RUTLAND TRANSIT IMPROVEMENTS - PH1

- ▶ Shepherd Rd Transit Exchange
- ▶ Dougall Street Pedestrian Improvements
- ▶ Highway 33 Bus Pullouts
- ▶ Construction Started in 2012
- ▶ Completion Summer 2013
- ▶ Project value \$4.55 million

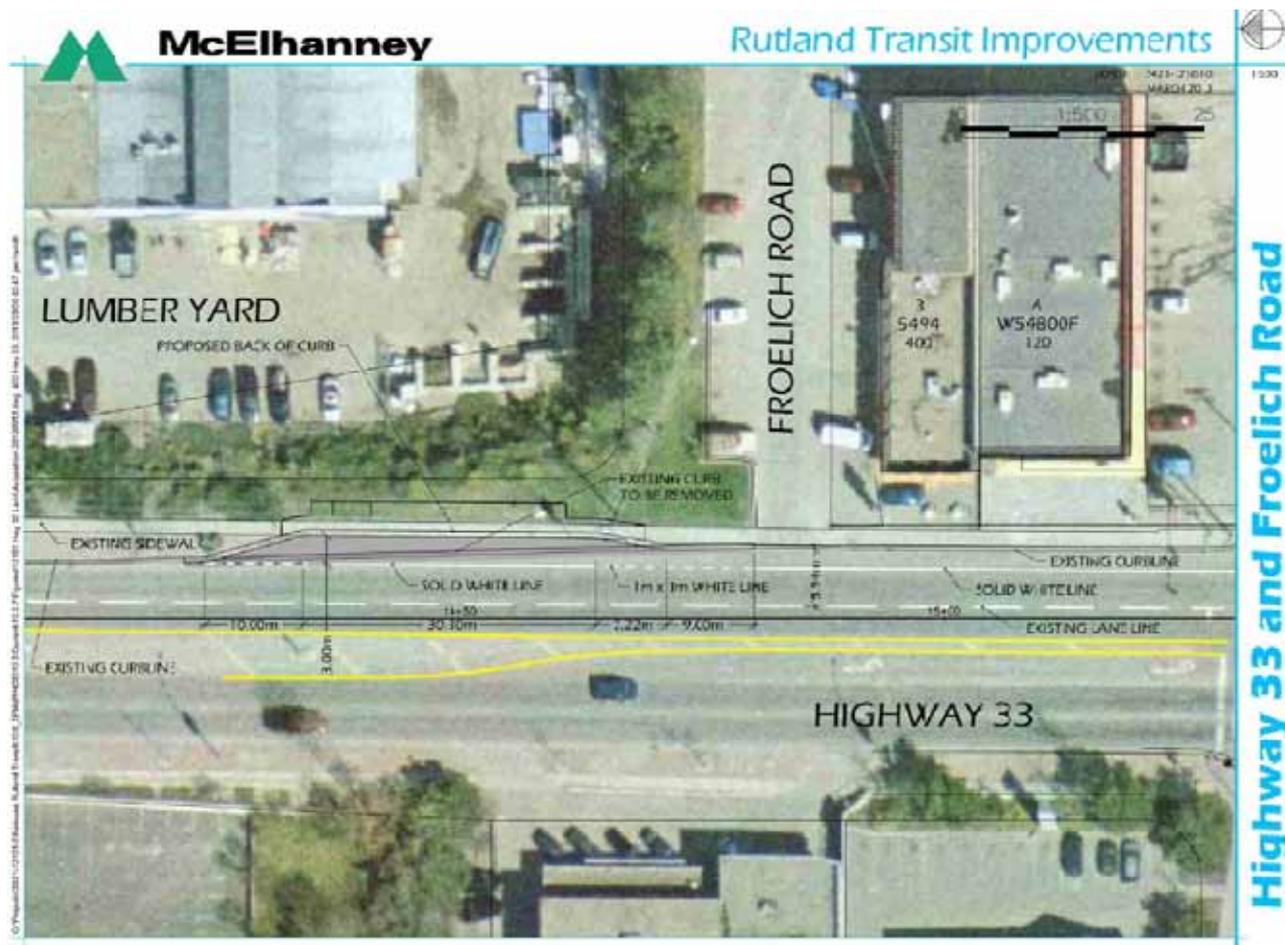
# RUTLAND TRANSIT IMPROVEMENTS- PH 1



# SHEPHERD RD TRANSIT EXCHANGE - PH 1



# HIGHWAY 33 BUS PULLOUTS





# OKANAGAN COLLEGE TRANSIT EXCHANGE AND KLO RD IMPROVEMENTS



# 2013 BUILDING & UTILITIES PROJECTS

## GLENMORE LANDFILL ADMIN BUILDING



Construct a new administration building at the Glenmore Landfill to meet the facility needs through landfill closure.

Consultant: CEI

Contractor: Delnor Construction

Completion: December 2013

Cost: \$3,300,000

# CITY PARK WASHROOM AND CONCESSION



- Replace the washroom and concession facilities in City Park that were destroyed in the 2011 Pavilion fire.
- New washroom building
- Mobile Concession space
- Site restoration

Consultant: CEI Architecture.  
Contractor: MGC Construction

Completion: June 2013  
Cost: \$800,000

## CITY HALL RENOVATIONS



Increase capacity of City Hall to replace office capacity lost with 2011 Pavilion fire in City Park.

Consultant: MeikleJohn Arch.

Completion: October 2013

Contractor: Sawchuk Developments

Cost: \$2,000,000

## LIBRARY PARKADE

Expand the capacity of the library parkade by extending the facility to Ellis St.

- 185 - 190 new stalls
- 5,000 sqft additional commercial/retail on Smith and Ellis



Consultant: MeikleJohn Arch.

Contractor: TBD

Completion:

Summer 2014

Cost:

\$5,000,000

## ELLIS ST. PARKADE



Construct a new 430 stall parkade off Ellis, between the Memorial Arena and the Okanagan Heritage Museum. Project is part of City Agreement to bring Interior Health building downtown

Consultant: MeikleJohn Arch.

Contractor: TBD

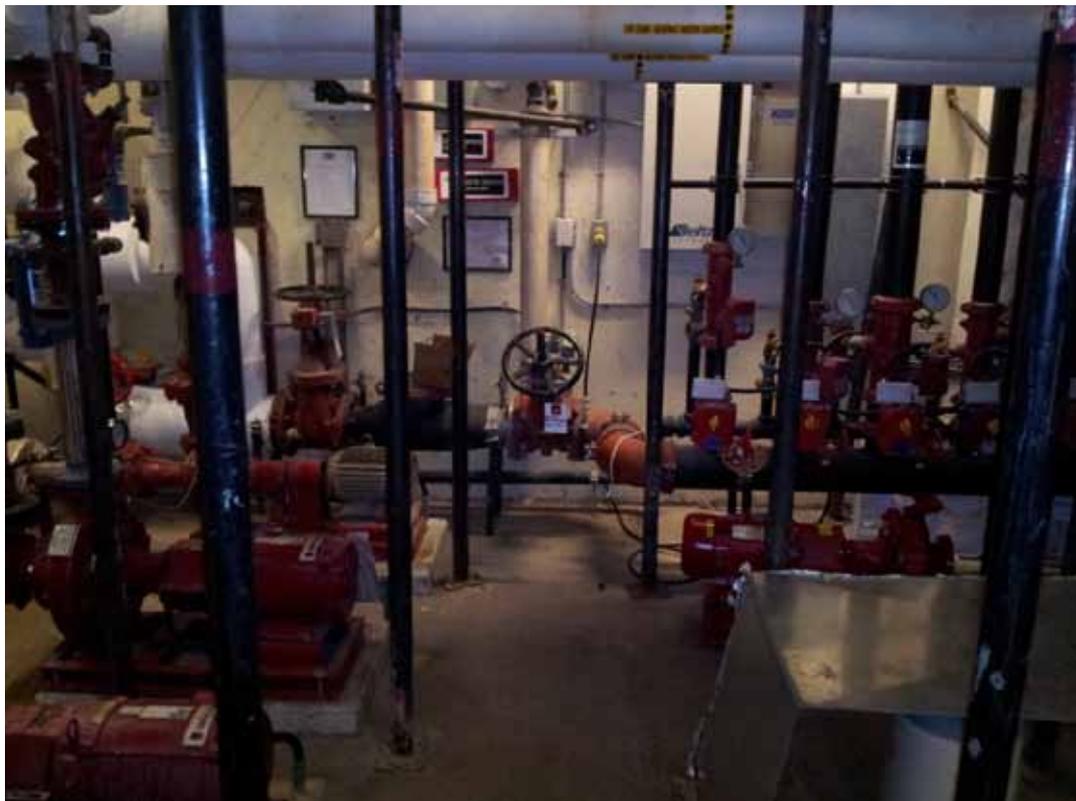
Completion:

Cost:

Fall 2015

\$13,900,000

## FAMILY Y STRUCTURAL REPAIR



- Replace concrete floor in women's change room
- Install cooling in boiler room
- Possibly renovate all three change rooms with funding from Family Y

Consultant: TBD

Contractor: TBD

Completion:

Fall 2013

Cost:

\$850,000

# CAMERON HOUSE STRUCTURE REPAIRS



Structural, electrical and mechanical evaluation and repairs to ensure the building continues to be safe and operational for the long term

Consultant: TBD.

Contractor: TBD

Completion:

Fall 2013

Cost:

\$330,000

## ENTERPRISE FIREHALL RENO



Expand office space  
for plan checkers,  
update kitchen area,  
add female change /  
washroom

Consultant: TBD.

Contractor: TBD

Completion: Spring 2013

Cost: \$350,000

# CEDAR CREEK WATER SUPPLY TREATMENT UPGRADES - \$8.2 MILLION



Upgrade Stellar  
Booster Station.  
Complete: Spring '14  
\$2,100,000

Demolish old Concrete  
Reservoir  
(Complete)

UV Treatment Facility  
Complete Spring '14  
\$6,100,000

Consultant: AECOM

Contractor: TBD

## LAWRENCE AVE, RICHTER - ETHEL



Water and Sanitary  
sewer replacement

Road improvements  
funded by adjacent  
property owners

Consultant: City of Kelowna

Contractor: City of Kelowna

Completion:

Summer 2013

Cost:

\$1,350,000

## KELLER PLACE



Water and Sanitary  
sewer replacement

Consultant: City of Kelowna  
Contractor: City of Kelowna

Completion: Summer 2013  
Cost: \$215,000

## DEHART AVE. - RICHTER - ETHEL



Water and Sanitary  
sewer replacement

Consultant: City of Kelowna

Contractor: City of Kelowna

Completion: August 2013

Cost: \$550,000

## LANE NORTH OF LEON



Sanitary Sewer  
replacement

Consultant: City of Kelowna

Contractor: City of Kelowna

Completion:

Fall 2013

Cost:

\$600,000

## ROANOKE, ELLIS - RICHTER



Water replacement

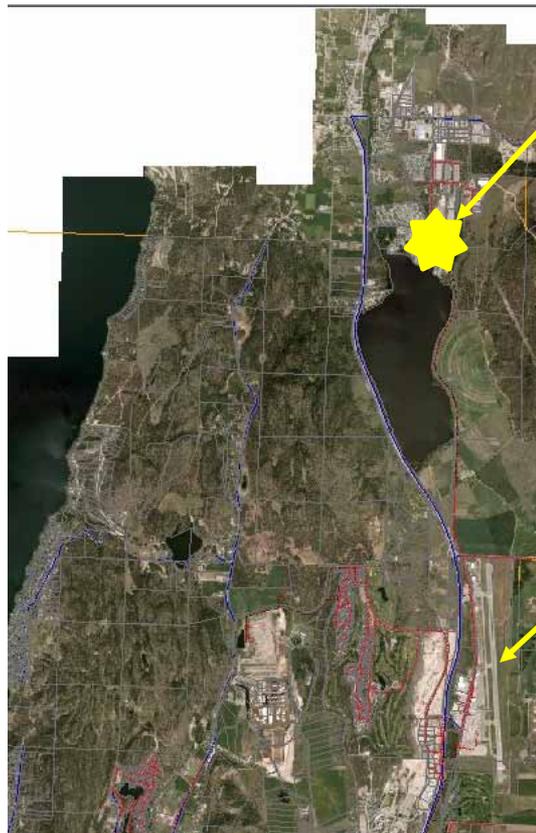
Consultant: TBD

Contractor: TBD

Completion: October 2013

Cost: \$325,000

# JIM BAILEY ODOUR CONTROL



Lift Station location

Airport

Install permanent  
bioxide injection  
facility at Jim Bailey  
sewer lift station

Consultant: TBD

Contractor: TBD

Completion: October 2013

Cost: \$180,000

# HARVEY AVE LANDSCAPE MEDIAN



- ▶ **COST:** \$ 180,000
- ▶ **START:** Mar. 2013
- ▶ **FINISH:** May 2013

# WALNUT AVE SHORELINE PROTECTION



- ▶ **COST:** \$ 170,000
- ▶ **START:** Mar. 2013
- ▶ **FINISH:** Nov. 2013

# CITY PARK SHORELINE PROTECTION



▶ **COST:** \$ 550,000

▶ **START:** t.b.d.

▶ **FINISH:** t.b.d.

# CITY PARK SHORELINE PROTECTION

The north end of Hot Sands Beach has been gradually eroding. It is at the point where erosion threatens to impact the waterfront promenade.

Erosion protection will involve the construction of an armoured shoreline.

The work will result in the temporary closure and re-routing of the waterfront promenade.

The construction work will be undertaken at low water sometime this year, subject to approval by the provincial/federal governments.

- ▶ Consultant: EBA
- ▶ Contractor: City of Kelowna

▶ COST: \$ 550,000

▶ START: t.b.d.

▶ FINISH: t.b.d.

# POPLAR POINT - SHORELINE RESTORATION



▶ **COST:** \$ 100,000

▶ **START:** Feb. 2013

▶ **FINISH:** May. 2013

## POPLAR POINT - SHORELINE RESTORATION

Wave action is threatening to impact Poplar Point Drive and erode public waterfront land along Sutherland Bay.

This is a multi-year project.

Work this year involves rip-rapping and bio-engineering the shoreline to protect the upland and enhance riparian habitat.

- ▶ Consultant: EBA
- ▶ Contractor: City of Kelowna & ILR
- ▶ COST: \$ 100,000
- ▶ START: Feb. 2013
- ▶ FINISH: May. 2013

# MOUNTAINSIDE PARK



▶ **COST:** \$ 200,000

▶ **START:** Oct. 2012

▶ **FINISH:** May 2013

## MOUNTAINSIDE PARK

This project is a partnership with Kettle Valley Holdings, the company developing the Kettle Valley neighbourhood.

The project involves development of a small, passive green at Chute Lake Road, and provides panoramic views over Okanagan Lake.

- ▶ Partner: Kettle Valley Holdings
- ▶ Consultant: Outland
- ▶ Contractor: Gabel Landscaping

▶ COST: \$ 200,000

▶ START: Oct. 2012

▶ FINISH: May 2013

# BLACK MOUNTAIN TRAILS



▶ **COST:** \$ 150,000

▶ **START:** Nov. 2012

▶ **FINISH:** May 2013

## BLACK MOUNTAIN TRAILS

This project is a partnership with Melcor, the company developing the Black Mountain neighbourhood.

The project involves construction of trails from local streets to the top of a promontory that offers panoramic views of the valley.

- ▶ Partner: Melcor
- ▶ Consultant: Outland
- ▶ Contractor: Katim

▶ COST: \$ 150,000

▶ START: Nov. 2012

▶ FINISH: May 2013

# KNOX MOUNTAIN PARK TRAILS



▶ **COST:** \$ 100,000

▶ **START:** Apr. 2013

▶ **FINISH:** Oct. 2013

## KNOX MOUNTAIN PARK TRAILS

This is the third year of a multi-year program to repair, restore and rationalize the trails in Knox Mountain Park.

Work will include trail closures, fencing, signage, trail upgrades and steps.

- ▶ Consultant: City of Kelowna
- ▶ Contractor: t.b.d.

▶ COST: \$ 100,000

▶ START: Apr. 2013

▶ FINISH: Oct. 2013

# LOCHVIEW BEACH ACCESS STAIRS



- ▶ **COST:** \$ 60,000
- ▶ **START:** Nov. 2012
- ▶ **FINISH:** Apr. 2013

## LOCHVIEW BEACH ACCESS STAIRS

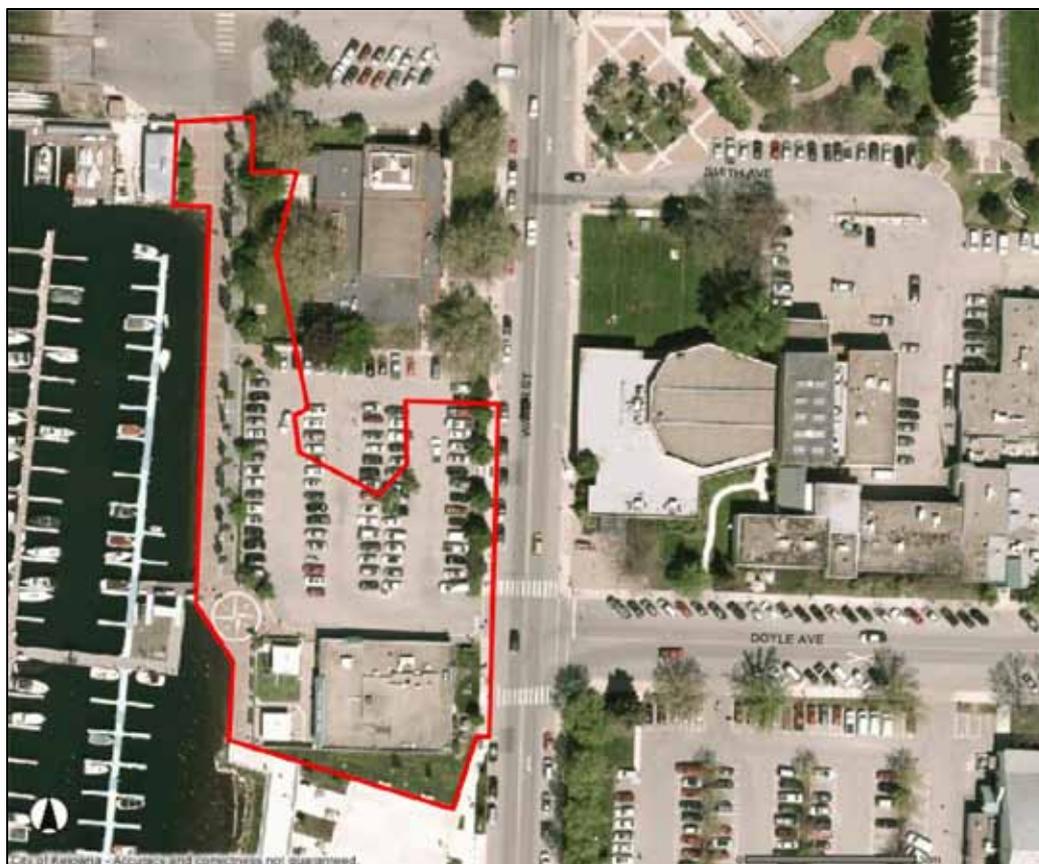
Last year construction was completed on the 1.6km waterfront trail from Pauls Tomb to Lochview Road.

This project will provide stairs down to a public beach for trail users and the neighbourhood.

- ▶ Consultant: City of Kelowna
- ▶ Contractor: Cabin Forestry

- ▶ COST: \$ 60,000
- ▶ START: Nov. 2012
- ▶ FINISH: Apr. 2013

## STUART PARK Phase 2



- ▶ **COST:** \$ 1,900,000
- ▶ **START:** Sept. 2013
- ▶ **FINISH:** Aug. 2014

## STUART PARK Phase 2

The final phase of Stuart Park begins construction this fall.

It involves redevelopment of the water's edge and public promenade to match that in Phase 1.

It also includes developing a passive green space at the end of Doyle Avenue, once the new yacht club building is completed.

During construction there will be a temporary closure and re-routing of the waterfront promenade.

- ▶ Consultant: Urban Systems
- ▶ Contractor: t.b.d.

- ▶ COST: \$ 1,900,000
- ▶ START: Sept. 2013
- ▶ FINISH: Aug. 2014

# DOWNTOWN PIER/MARINA



- ▶ **COST:** \$ 5,000,000
- ▶ **START:** Feb. 2013
- ▶ **FINISH:** May 2013

## DOWNTOWN PIER/MARINA

This project is a partnership with Westcorp, for the development and 15-year operation of a public pier and marina.

The project will feature:

- ▶ 140m long, 6m+ wide public pier with viewpoint
- ▶ Commercial tour boat marina
- ▶ 68 moorage slips for hourly/daily use (27), overnight use (30) and rentals (11)
- ▶ Marine fuelling/retail facility

▶ **COST:** \$ 5,000,000

▶ **START:** Feb. 2013

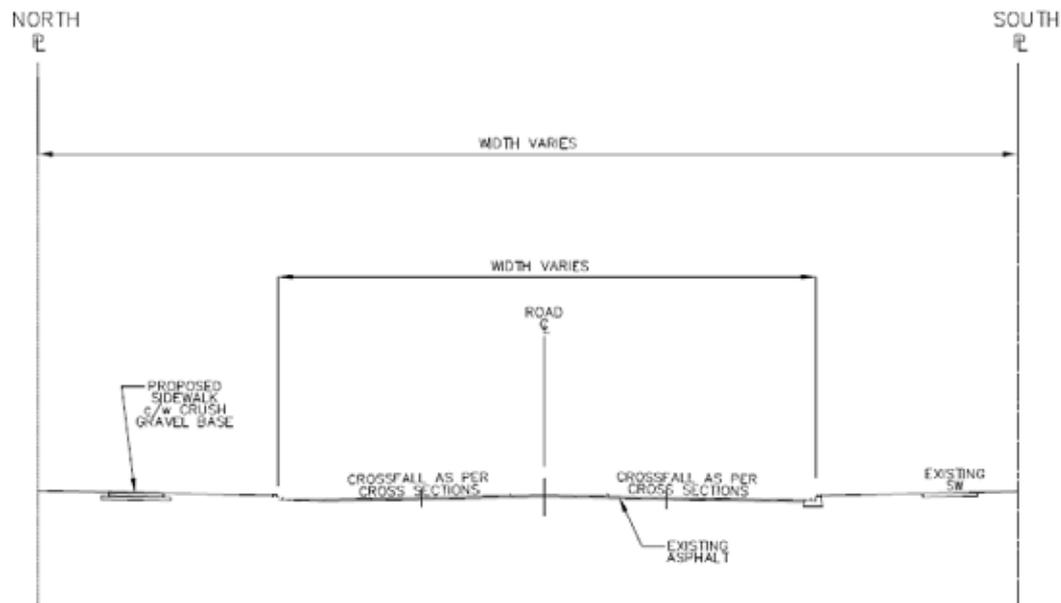
▶ **FINISH:** May 2013

# 2013 ROAD & DRAINAGE PROJECTS

# GUISACHAN RD SIDEWALK AND BULB AT GUISACHAN PL AND NELSON RD.



# GUISACHAN RD SIDEWALK TYPICAL SECTION



GUISACHAN ROAD  
TYPICAL ROAD SECTION

## GUISACHAN RD SIDEWALK AND BULB AT GUISACHAN PL AND NELSON RD.

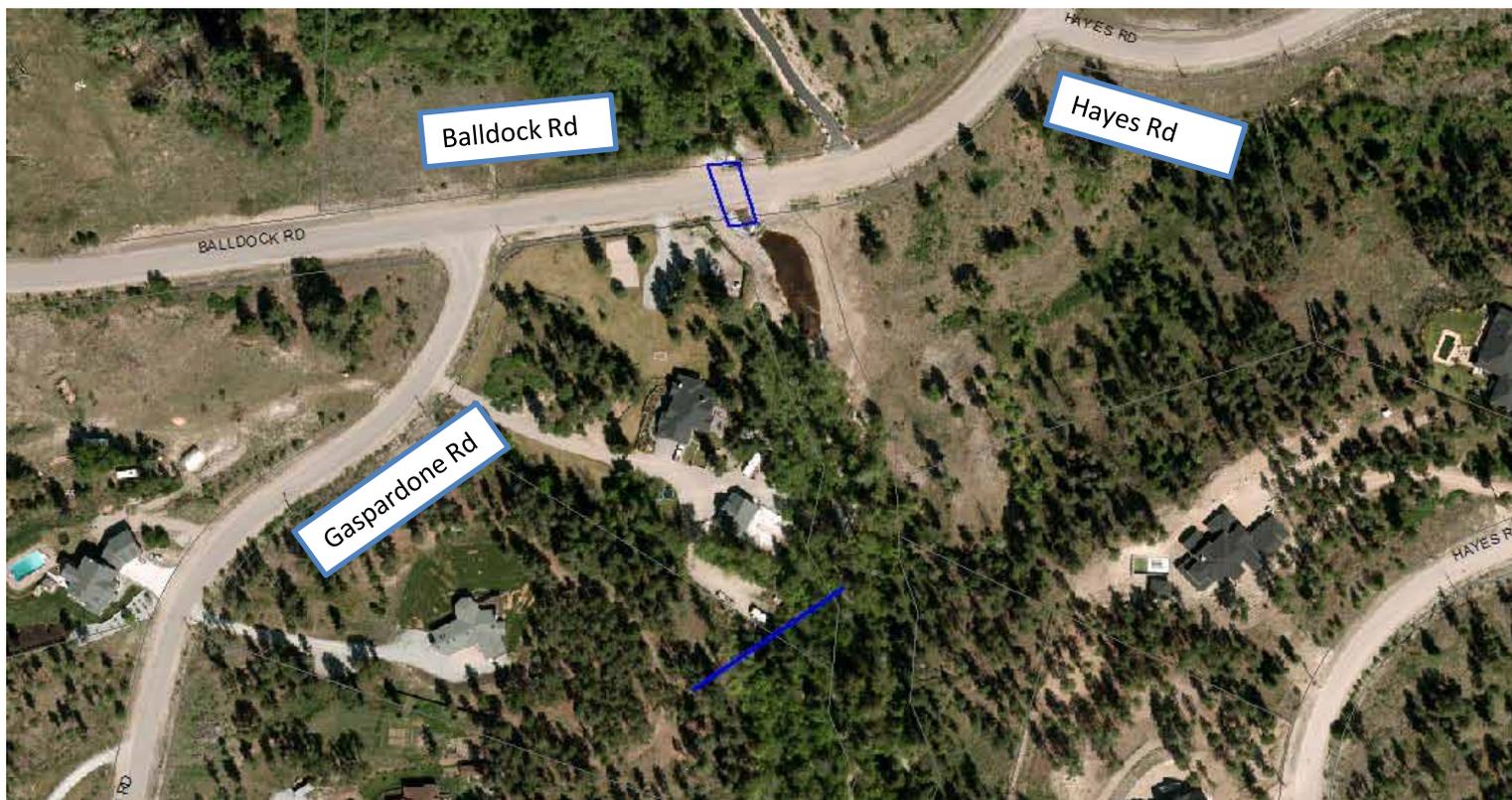
Construction of a 300m of 1.8m conc. Sidewalk with asphalt let downs, from Gordon to Guisachan Pl. this also includes a hammer head or bulb at Nelson and Guisachan Pl with landscaping to close the connection.

- ▶ Construction: 2013
- ▶ Contractor: City Crews
- ▶ Consultant: IN HOUSE
- ▶ Cost: \$330,000.00

# PRIEST CREEK DRAINAGE IMPROVEMENTS, BALLDOCK ROAD



# PRIEST CREEK DRAINAGE IMPROVEMENTS, BALLDOCK ROAD

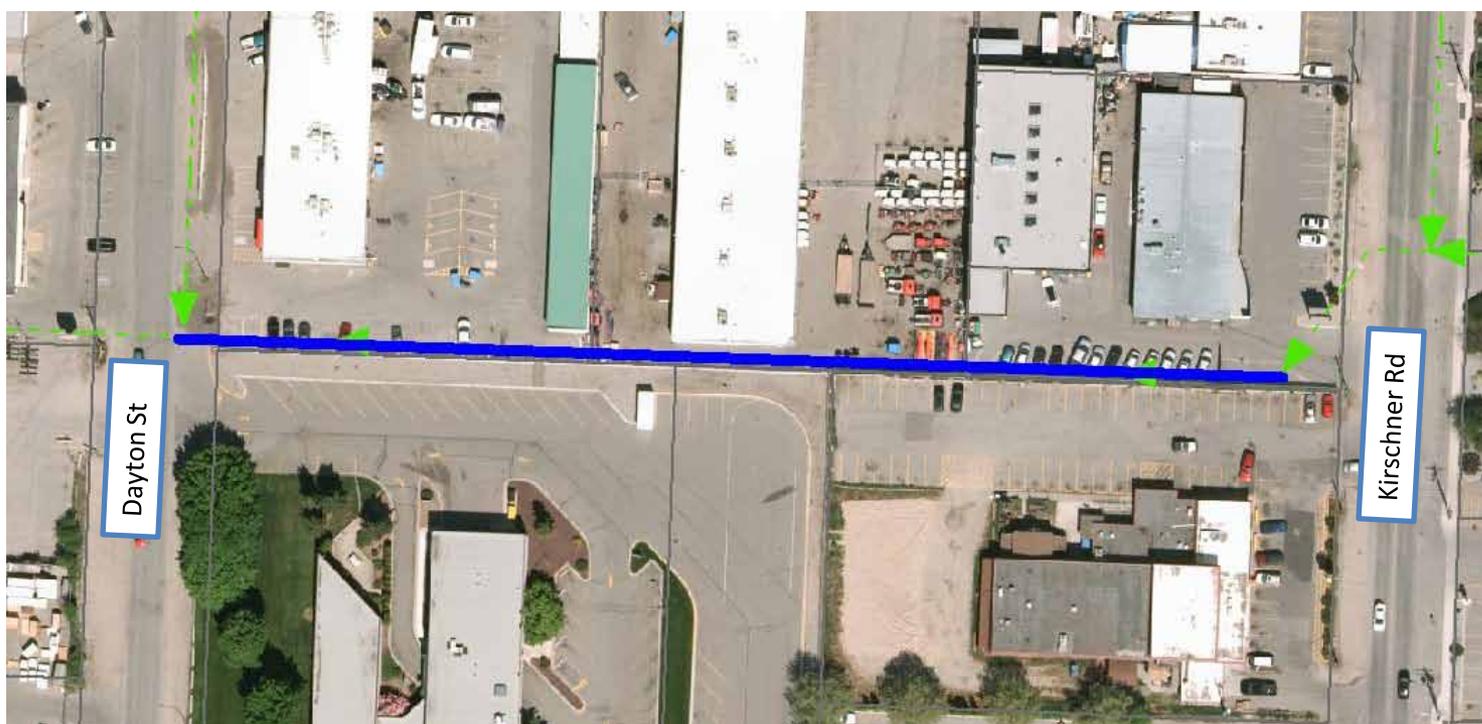


## PRIEST CREEK DRAINAGE IMPROVEMENTS, BALLDOCK ROAD

Installation of a 3050mm x 1200mm concrete box culvert under Balldock Road to replace the existing 4 - 900mm CSP culverts to increase flow capacity. Construction of a berm upstream of Balldock Road to stop overland flow during flood conditions.

- ▶ Construction: 2013
- ▶ Contractor: City Crews
- ▶ Consultant: Focus Engineering
- ▶ Cost: \$150,000.00

# NORTH OF SPRINGFIELD DRAINAGE



## NORTH OF SPRINGFIELD DRAINAGE

The project consists of the installation of 180m of 900mm HDPE pipe to replace aging 1075mm CSP storm pipe in an easement between Kirschner Road and Dayton Road.

- ▶ Construction: 2013
- ▶ Contractor: TBD
- ▶ Consultant: Focus Engineering
- ▶ Cost: \$360,000.00

# SIDEWALK NETWORK EXPANSION

A small amount of funding is available annually to improve upon the existing sidewalk network. This year the following areas have been identified for improvement;

**Hardie Road** - 600m in length, 1.8m wide concrete sidewalk proposed on the north side running from Rutland Rd N. to Hemlock Rd. Approximate cost of construction is \$140,000.

**Muir Rd, Myron Rd, Merrifield Rd** - 850m in length, 1.8m wide concrete sidewalk proposed on the east side. Approximate cost of construction \$170,000.

**Pearson Road** - 600m in length, 1.8m wide concrete sidewalk proposed on the north side running from Ford Rd to Renshaw Rd. Approximate cost of construction is \$150,000.

- ▶ Contractor: City Crews
- ▶ Schedule: Summer 2013
- ▶ Costs: \$500,000

# HARDIE ROAD SIDEWALK



# MUIR, MYRON & MERRIFIELD ROADS



City of Kelowna - Accuracy and correctness not guaranteed.

# PEARSON ROAD



City of Kelowna's accuracy and completeness not guaranteed.

# 2012 CONSTRUCTION WRAP UP



## SAFE ROUTES TO SCHOOL

This Project has been undertaken to promote active transportation and use of transit among students attending Glenmore Elementary School. A number of intersections in the vicinity have been identified for improvements, promoting safe walkable routes to school. Initiatives include enhanced raised cross-walks with textured surfaces, curb extensions and changes to the design of vehicle lanes, resulting in the overall calming of traffic.

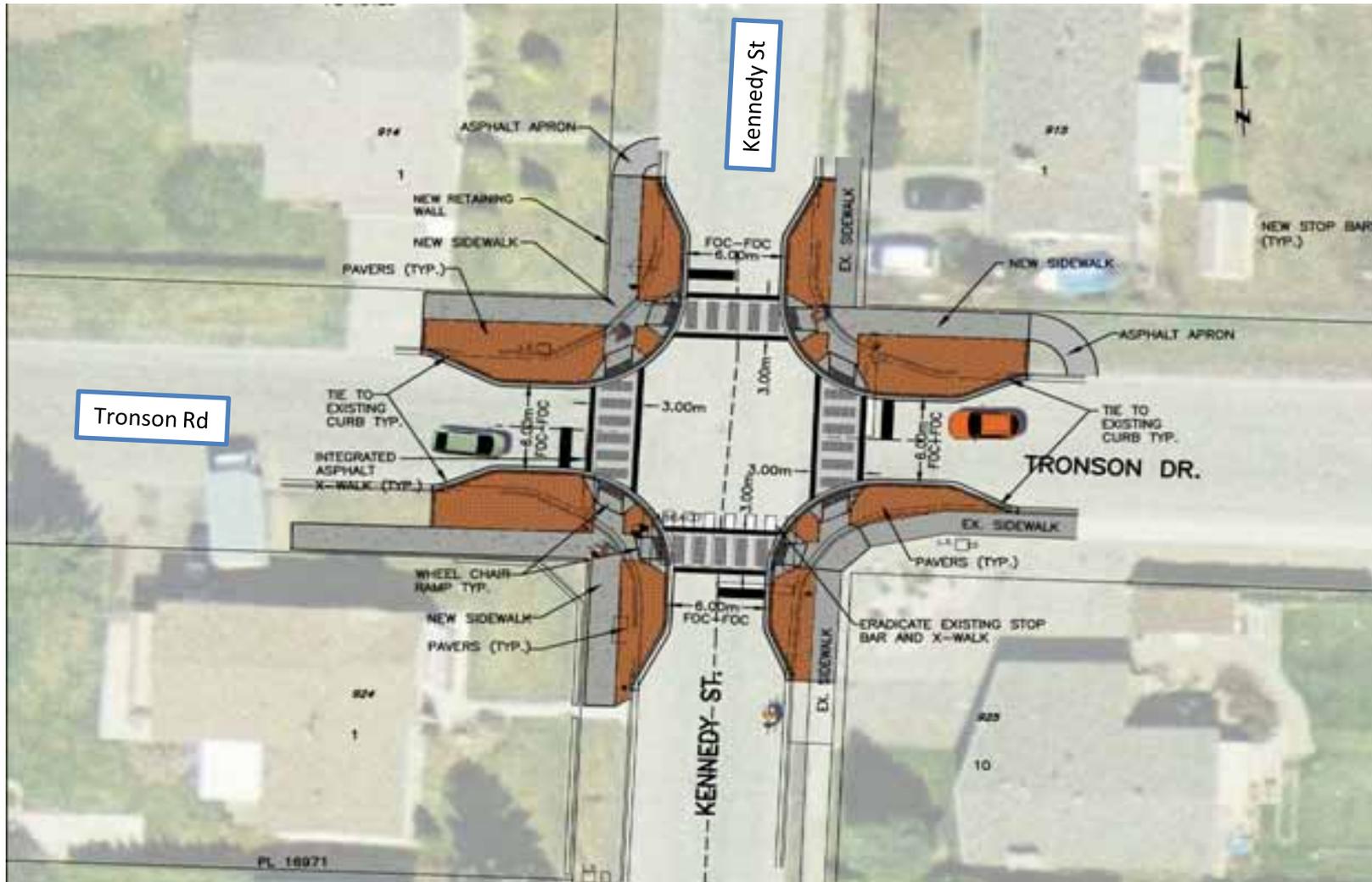
As a continuation of the 2012 construction year, this year **Mountain Ave & Corner Rd** and the remaining work on **Tronson Dr. & Kennedy St.** Intersection will be completed.

- ▶ Consultant: Stantec Consulting Ltd.
- ▶ Contractor: City Crews
- ▶ Schedule: Summer 2013
- ▶ Costs: \$200,000

# SAFE ROUTES TO SCHOOL



# SAFE ROUTES TO SCHOOL

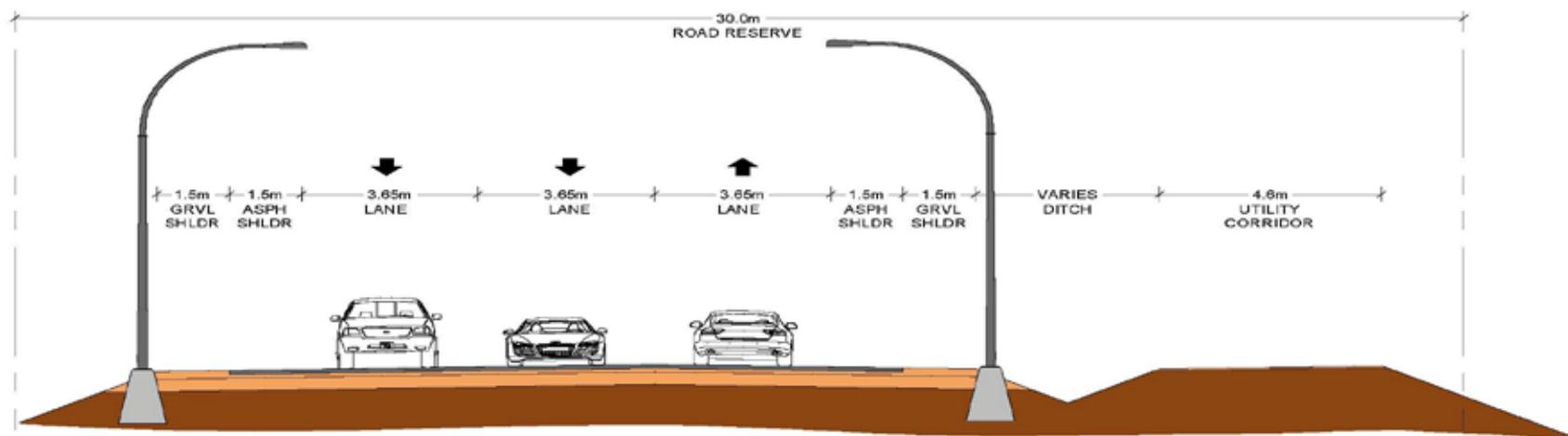


# JOHN HINDLE DR. AND GLENMORE LANDFILL ENTRANCE





# JOHN HINDLE DR. CROSS SECTION



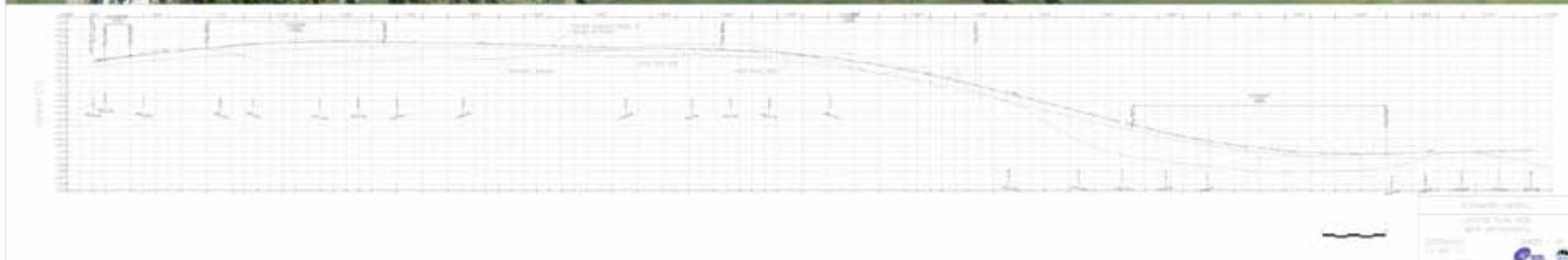
JOHN HINDLE DRIVE

## JOHN HINDLE DR. AND GLENMORE LANDFILL ENTRANCE

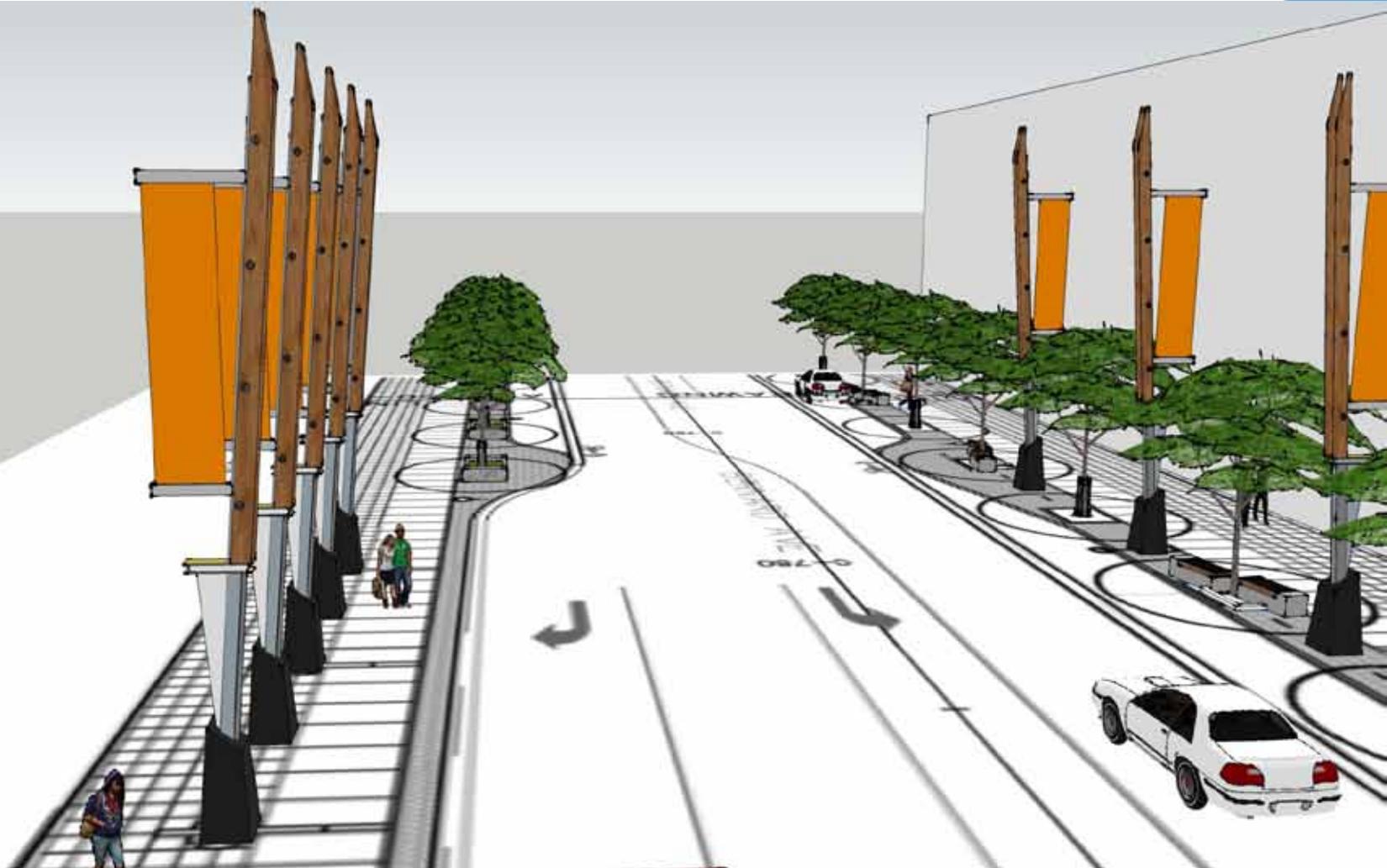
This project consists of 1.6km section from Glenmore Road to the Landfill entrance consisting of 2 3.65m lanes and a 3.65m climbing lane, 1.5m asphalt shoulders and a 1.5m gravel shoulders with a 4.6m utility corridor to the south. The new Entrance will have 4 New scales 5 prefabricated modular buildings including 2 composting toilet systems, automated wheel wash station with a cost of \$9.7-million, with a construction schedule from March 2012 to May 2013.

- ▶ Consultant: Associated Engineering
- ▶ Contractor: CGL Construction
- ▶ Construction: Completion spring 2013
- ▶ Cost: \$9.7 million

# NEW LANDFILL ENTRANCE



# BERNARD AVENUE REVITALIZATION

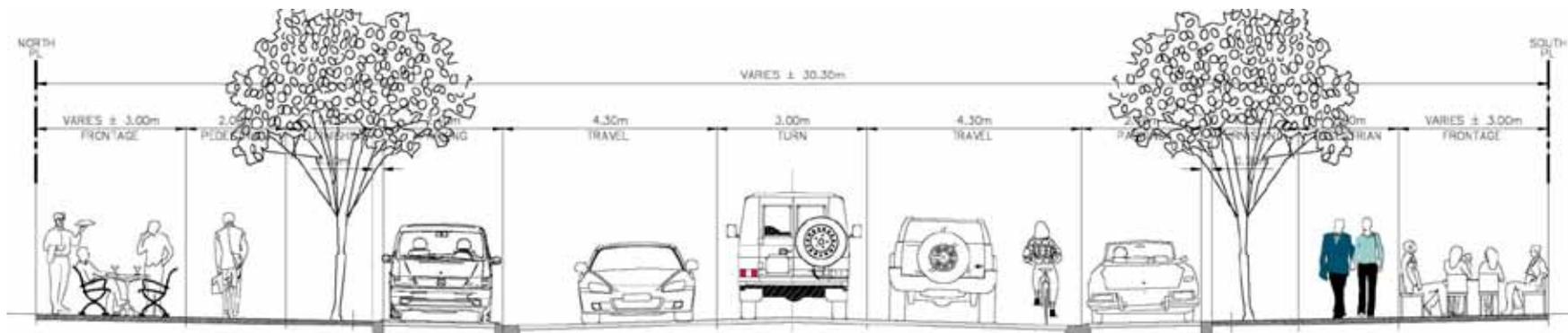


## BERNARD AVENUE RECONSTRUCTION

This project consists of the complete reconstruction of an 810m section of Bernard Avenue from Abbott Street to Richter Street. This will include extensive streetscaping to develop a vibrant downtown that will attract businesses, visitors and residents of Kelowna. Along with this, all utilities and street lights will be upgraded and replaced. The project will cost is \$14 million with a construction schedule from August 2012 to June 2014.

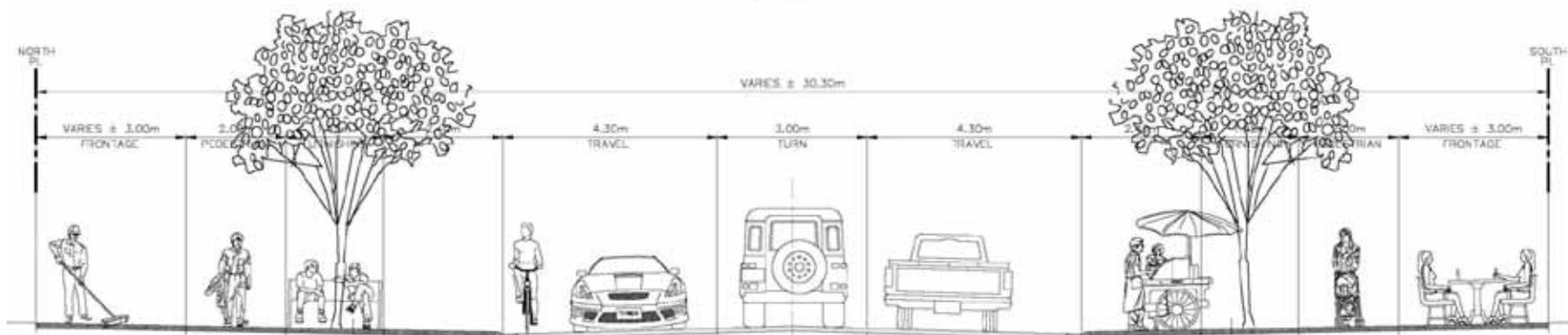
- ▶ Consultant: Focus Engineering
- ▶ Contractor: TBD
- ▶ Construction: Completion June 2014
- ▶ Cost: \$14 million

# BERNARD AVENUE TYPICAL SECTIONS



**BERNARD AVENUE – TYPICAL CROSS SECTION WITH PARKING**

SCALE 1:20



**BERNARD AVENUE – TYPICAL CROSS SECTION NO PARKING**

SCALE 1:20

# STAGE 2 STORM OUTFALL



# LATEST WORKS



# 2013 ROAD RESURFACING PROGRAM



## PAVEMENT MANAGEMENT:

- ▶ The Pavement Management Program prioritizes and determines how to upgrade and repair the roads surface based on various tests and software analysis that provide a numerical ranking for each road.
  - ▶ 9 road segments
  - ▶ Budget: \$2.5 million
  - ▶ Traffic Impacts: Short term lane closure or detours
  - ▶ Contact: Darin Thompson; Bruce Dacre

# GORDON DRIVE (HWY 97 TO SPRINGFIELD ROAD)



# GORDON DRIVE (KLO RD TO LADNER RD)



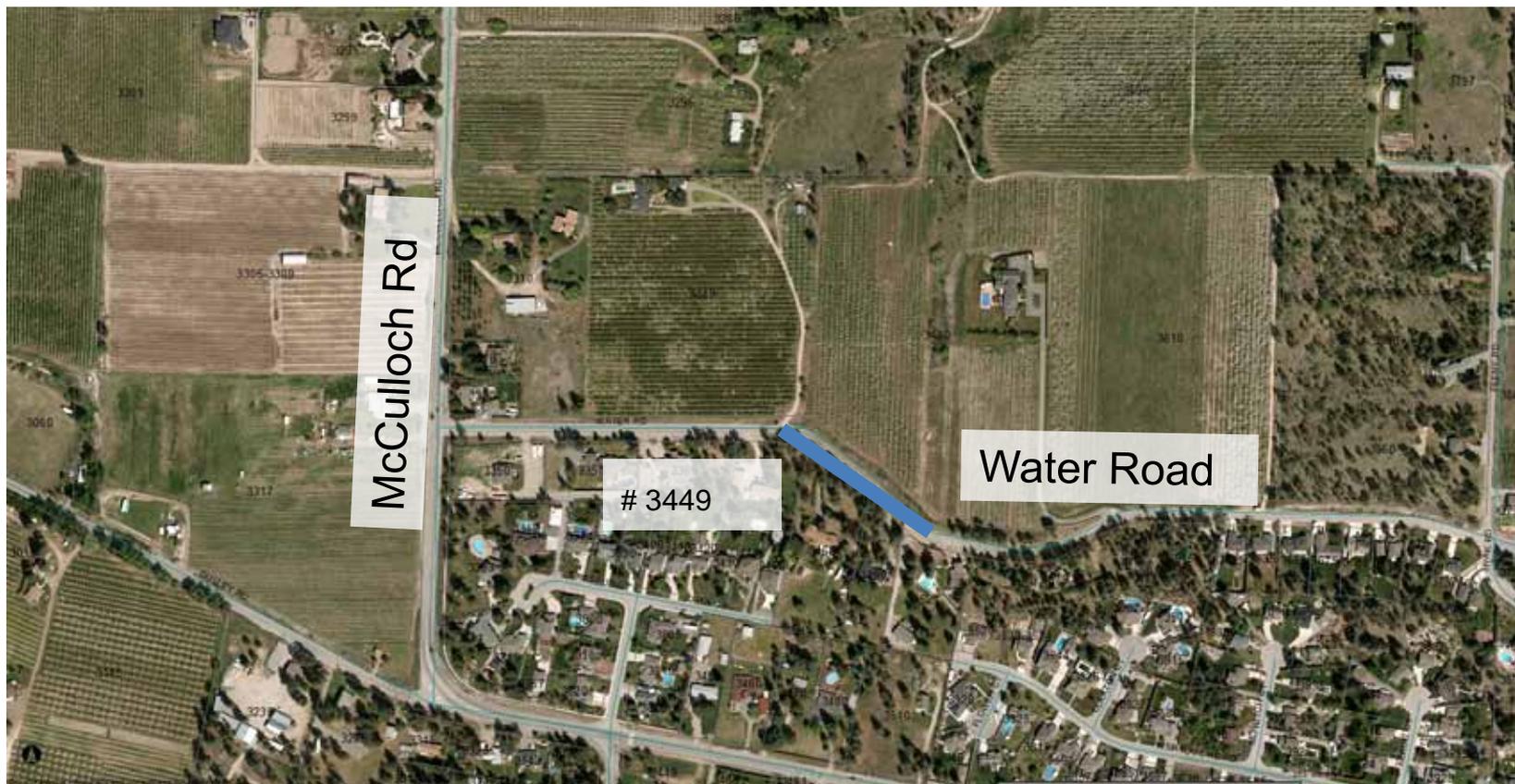
# ROANOKE AVE (ELLIS TO RICHTER STREET)



# HOLBROOK ROAD EAST (RUTLAND ROAD SOUTH TO MOLNAR ROAD)



# WATER ROAD (HOUSE # 3449 TO APPROX 200M EAST)



## GIBSON ROAD (WEBSTER TO SOUTH)



# SEXSMITH RD (PINTO TO WEST OF ADAMS)



# GLENMORE RD NORTH (GLENMEADOWS TO DALLAS)



# LAWRENCE AVE (GORDON TO RICHMOND ST)

