

Penticton and Ellis Creek Restoration Select Committee Meeting to be held via Zoom

**Public attendance at committee meetings continues to be restricted due to limited space and the physical distancing requirements. If you'd like to watch or listen to the live Committee meeting, please email Committees@Penticton.ca 24-hours prior to the commencement of the meeting for the Zoom meeting participation details. You will have an opportunity to ask questions related to the agenda at the end of the meeting.*

**Friday, January 8, 2021
at 9:00 a.m.**

1. **Call Regular Committee Meeting to Order**
2. **Adoption of Agenda**
3. **Adoption of Minutes** 1-3
 - 3.1 Minutes of the November 9, 2020 Penticton Creek and Ellis Creek Restoration Select Committee Meeting

Staff Recommendation:
THAT the Penticton and Ellis Creek Restoration Select Committee adopt the minutes of the November 9, 2020 meeting as presented.
4. **New Business**
 - 4.1 Introduction of the New General Manager of Infrastructure, Kristen Dixon – Ian Chapman, City Engineer Verbal
 - 4.2 Penticton Creek Structure 3 and 4 Emergency Work – Ian Chapman, City Engineer 4-18
 - 4.3 Penticton Creek Reach 12A French Drain Update– Ian Chapman, City Engineer 19-24
 - 4.4 Enhanced FFSBC and ONA Fish and Fish Habitat Monitoring 2021 – Paul Askey, Chair Verbal
5. **Next Meeting**
6. **Public Question Period**
7. **Adjournment**

Penticton and Ellis Creek Restoration Select Committee Meeting

held via Zoom
November 9, 2020
at 1:00 p.m.

Present:

Voting Members

Paul Askey, Freshwater Fisheries Society of BC (*Chair*)
Camille Rivard-Sirois, Okanagan Nation Alliance (*Vice Chair*)
Bill Wickett, Alternate, Penticton Fly Fisheries Association
Gerry Turchak, Penticton Industrial Development Association
Sandy Ross, Parks and Recreation Advisory Committee Member
Doug Maxwell, Member at Large
Maryssa Bonneau, Penticton Indian Band Natural Resources

Non-Voting Members

Bruce McFarlane, Ministry of FLNRO, Regional Water Management
Rick Peleshytuk, Alternate, Ministry of FLNRO, Regional Water Management

Council:

Frank Regehr, Councillor (*Liaison*)

Staff:

Mitch Moroziuk, General Manager of Infrastructure
Ian Chapman, City Engineer
Paula McKinnon, Legislative Assistant

Regrets:

Sophie Fillion, South Okanagan Conservative Program
Bruce Turnbull, Penticton Fly Fisheries Association

Guests:

Joe Kennedy, Stantec Consulting
James Bigelow, Stantec Consulting
Leif Burge, Stantec Consulting
Shawn Kilpatrick, Stantec Consulting
Katya Irwin, Word Count Consulting

1. **Call to Order**

The Penticton and Ellis Creek Restoration Select Committee was called to order by the Chair at 1:01 p.m.

2. **Adoption of Agenda**

It was MOVED and SECONDED

THAT the Penticton and Ellis Creek Restoration Select Committee adopt the agenda for the meeting held on November 9, 2020 as presented.

CARRIED UNANIMOUSLY

3. **Adoption of Minutes**

3.1 Minutes of the October 14, 2020 Penticton and Ellis Creek Restoration Select Committee Meeting

It was MOVED and SECONDED

THAT the Penticton and Ellis Creek Restoration Select Committee adopt the minutes of the October 14, 2020 meeting as presented.

CARRIED UNANIMOUSLY

Robert (Sandy) Ross, Parks and Recreation Advisory Committee Representative, entered the meeting at 1:07 p.m.

4. **New Business**

4.1 Committee Member Status Updates & Roundtable Introductions – Paul Askey, Chair

Committee members participated in roundtable introductions to welcome a new appointed voting member to the Committee for the remainder of the term.

4.2 85% Design – Penticton Creek – Reach 3A Upper & Reach 3B – Joe Kennedy, Stantec Consulting

Joe Kennedy, Stantec Consulting, provided the Committee with a presentation on the 85% Design for Penticton Creek Reaches 3A Upper and Reach 3B. The presentation reviewed the following items:

- Changes to the design (Removal of the Nanaimo Ave Bridge)
- Model Calibration
- Flood Results
- Fish Habitat
- Regulatory Overview
- Next Steps

Members at large provided comments/input on the various sections and asked questions throughout the presentation.

The General Manager of Infrastructure requested that Stantec provide a tabulated list of all the logged comments and applicable responses for circulation back to the Committee.

4.3 Penticton Creek 2020 Kokanee Update – Paul Askey, Chair

The Chair also informed the Committee that the latest numbers for Penticton Creek kokanee provided by the Ministry was 5,500 fish from a visual count. This is down from last year when the count was just over 6,000 fish.

4.4 Okanagan Nation Alliance (ONA) Grant Funding Opportunities Update – Camille Rivard-Sirois, ONA Representative

Camille Rivard-Sirois, Okanagan Nation Alliance representative, informed the Committee that following a site visit there is little interest from the US Power Utility District funding agencies at this time in putting a large amount of funding towards this project as other areas take priority for restoration at this time.

The Okanagan Nation Alliance representative also provided a point of clarification to the Committee that Okanagan Nation Alliance is not a funding agency but rather accesses funds for restoration from Government bodies and US funders.

5. **Next Meeting**

6. **Public Question Period**

7. **Adjournment**

THAT the Penticton and Ellis Creek Restoration Select Committee adjourn the meeting held on November 9, 2020 at 3:01 p.m.

Certified Correct:

Paula McKinnon
Legislative Assistant

Penticton and Ellis Creek Restoration Committee update January 8, 2021

Presented by:
Ian Chapman, City of Penticton



This presentation addresses updates for two projects:

- **PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS**
- **PENTICTON CREEK FRENCH DRAIN AT REACH 12a**



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS



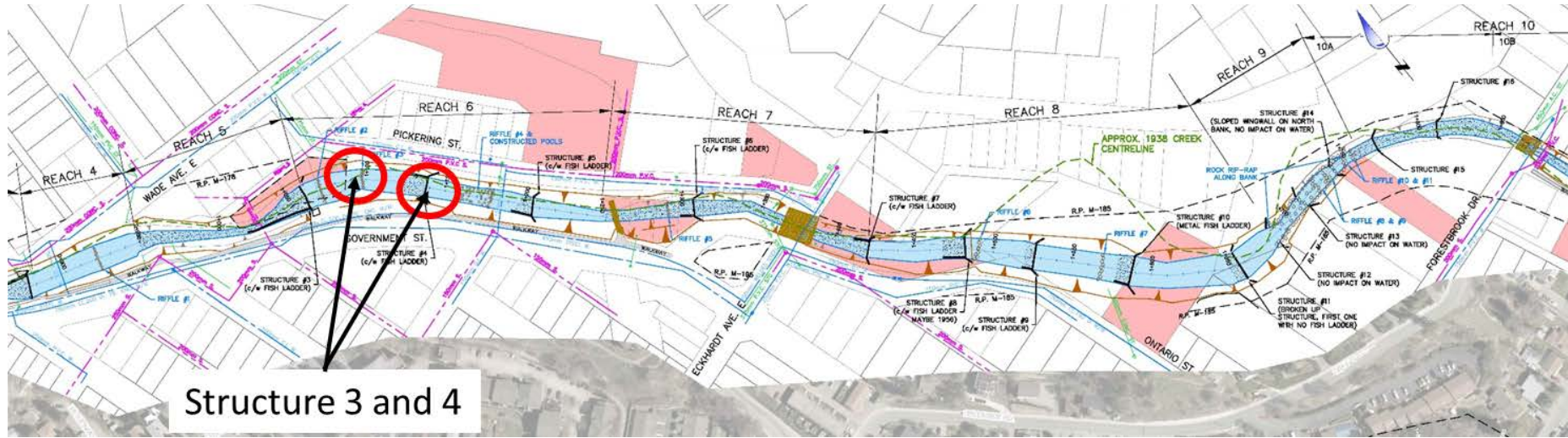
PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS

- 7 -

- Structures 3 and 4 in Reach 6 of Penticton Creek suffered significant deterioration during the 2020 freshet flows and require repair to limit further deterioration and potential downstream damage from debris movement and flooding.
- A report has been received from Mould Engineering that addresses the damage and repairs.
- Our intention, funding allowing, is to complete the repairs prior to the 2021 freshet.



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS

- 9 -

STRUCTURE 3 CREST EROSION



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS

- 10 -

STRUCTURE 3 CREST EROSION



**STRUCTURE 3
DOWNSTREAM CHUTE
INSTABILITY**



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORK

- 12 -

**STRUCTURE 4
APRIL 8, 2020**



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS

- 13 -

**STRUCTURE 4
JUNE 3, 2020**

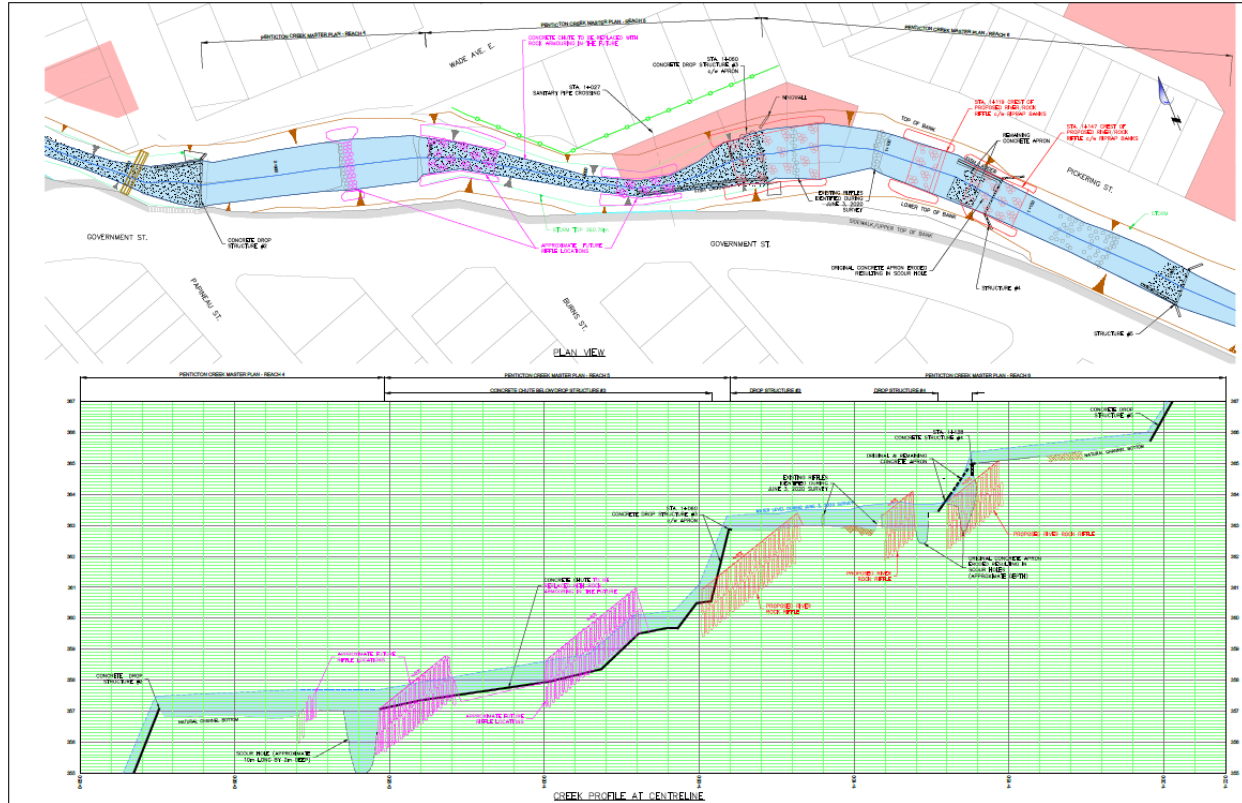


PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORK

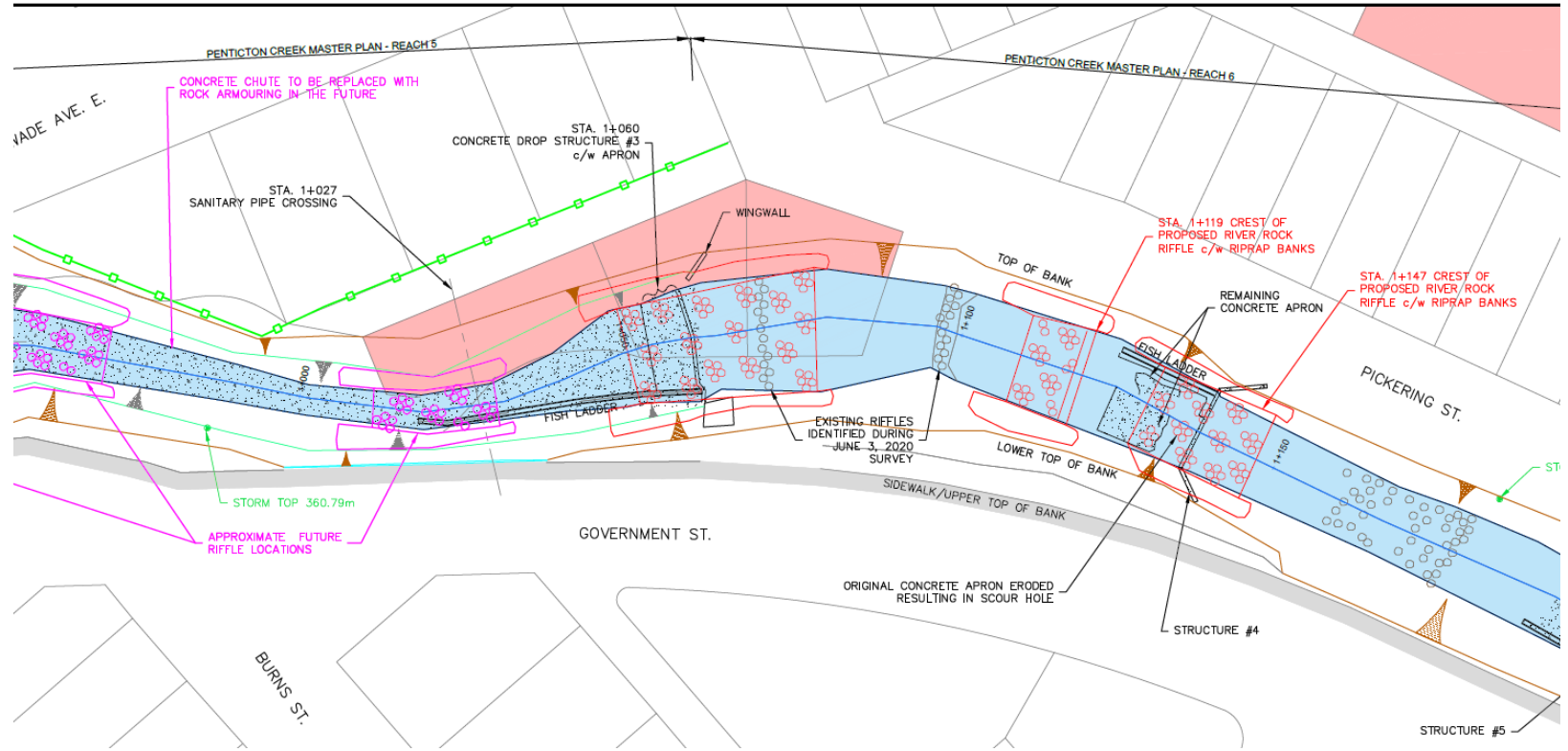
**STRUCTURE 4
CONCRETE CUT-OFF
WALL AND
UNDERLYING COARSE
ROCK.
AUGUST 4, 2020**



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS - 15-



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS - 17-

Specific project activities and steps include:

- Mobilization and demobilization
- De-watering and relocation of fish (if needed)
- Installation of containment dam and diversion pipe
- Removal and disposal of the concrete channel, lining and drop structures
- Excavation and shaping of the channel
- Installation of river rock, rip rap and drain rock
- Construction of stream beds and banks
- Remove of diversion works and final grading
- Site restoration and vegetation
- Environmental, cultural and heritage monitoring will occur throughout project construction.



PENTICTON CREEK STRUCTURE 3 AND 4 EMERGENCY WORKS - 18-

- Estimated cost of repairs is \$1,185,000
- An application is being prepared to the Adaption, Resilience & Disaster Mitigation (ARDM) program, administered by EMBC, for funding sufficient to complete Reach 3A Upper/ 3B and Structure 3 and 4 repairs. Total application amount is \$3,758,250.
- Applications for grant funding have already been submitted for the work on Reach 3A Upper/ 3B to:
 - HCTF (\$100,000),
 - BC Salmon Restoration and Innovation Fund (\$2,154,300
 - Southern Okanagan Conservation Fund (\$252,560).
 - These funds will not be required if the ARDM grant is approved.

PENTICTON CREEK FRENCH DRAIN AT REACH 12a



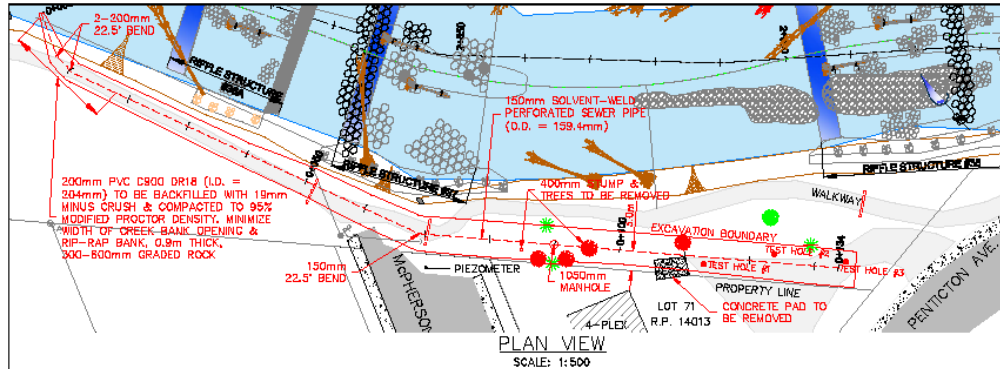
PENTICTON CREEK FRENCH DRAIN AT REACH 12a

- 20-

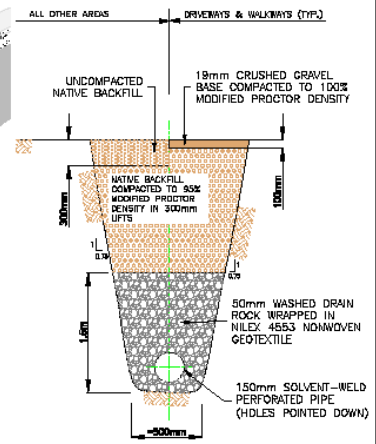
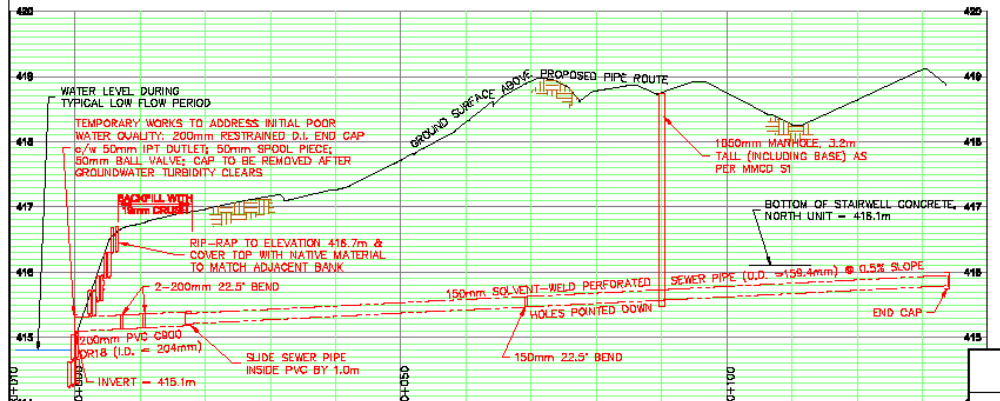
- Just following completion of the Reach 12a creek restoration works the owner of fourplex on the east side of McPherson Place complained that water was entering his basement – unusual at this time of year.
- Test pits confirmed that the water was originating from the creek.
- Mould Engineering designed a French (cut-off) drain to intercept the groundwater and re-direct it back to the creek.
- The work was completed in November and December except for asphalt pathway and vegetation installation which will proceed in the Spring of 2021.
- The total cost of the work was approximately \$90,000 (final costs are being resolved).



PENTICTON CREEK FRENCH DRAIN AT REACH 12a



- TREES TO REMAIN - 21-
- TREES TO REMOVE
- ✱ TREES TO WORK AROUND (MAY BE PRUNED)
- == 76mm IRRIGATION SLEEVE, 300mm BURY, SURROUNDED BY 100mm THICK CRUSHED GRAVEL



CITY OF PENTICTON

PENTICTON CREEK - REACH 12A
FRENCH DRAIN - R.P. 14013, LOT 71
PLAN & PROFILE VIEWS

AS SHOWN NOV. 2020



PENTICTON CREEK FRENCH DRAIN AT REACH 12a

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PENTICTON CREEK FRENCH DRAIN AT REACH 12a

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Questions

