



# **Integrated Stormwater Management Plan**

**Action Update** 

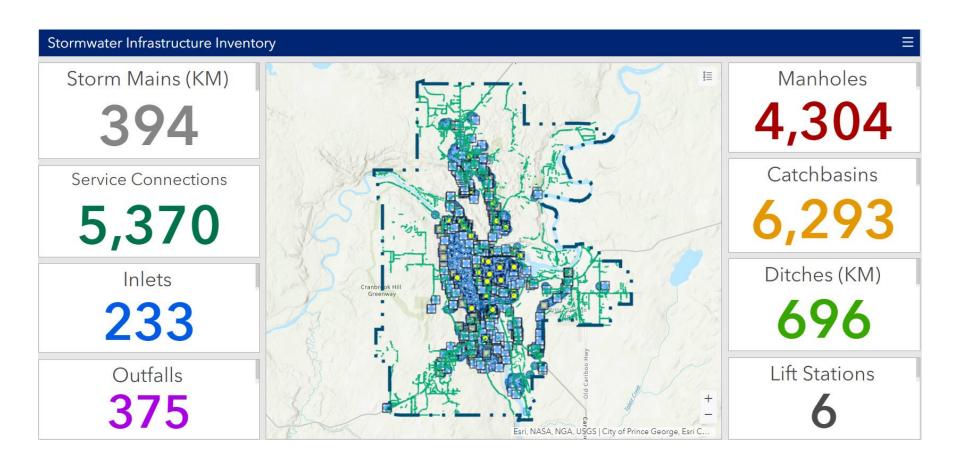
#### PRESENTATION OUTLINE:

ISMP Overview

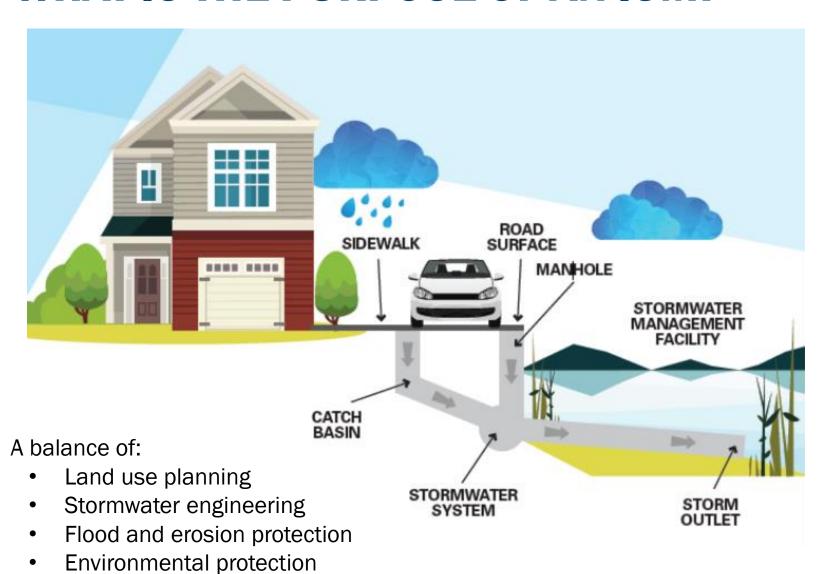
Actions Completed

Next Steps

#### STORMWATER INFRASTRUCTURE INVENTORY



#### WHAT IS THE PURPOSE OF AN ISMP



#### ISMP COMPONENTS

#### Guiding Document, Roadmap, and Public Engagement Plan

- Guiding Document with key messages
- Public Engagement Plan
- Action Plan Roadmap

#### TWP #1 - Technical Background

- · Watershed Drainage Plans (WDP) Review
- Climate Projections
- · Prioritization Framework
- WDP Gap Reduction Plan
- GIS Consolidation & Review and Gap Reduction Plan
- Recommendations

#### TWP #2 - Engineering & AM Issues

- · Rain Gauge Monitoring Program
- Green Assets Strategy
- · Condition Assessment Program
- Asset Longevity
- Sub'd Bylaw & Design Guidelines
- Network Level Risk Assessment
- · Best Practices Review
- Replacement Costs
- Development Contributed Assets

#### TWP #3 - Policy and Regulations

- · Review Plans, Bylaws, Fines, Authority and Enforcement
- Gap Analysis and Peer Municipal Comparison

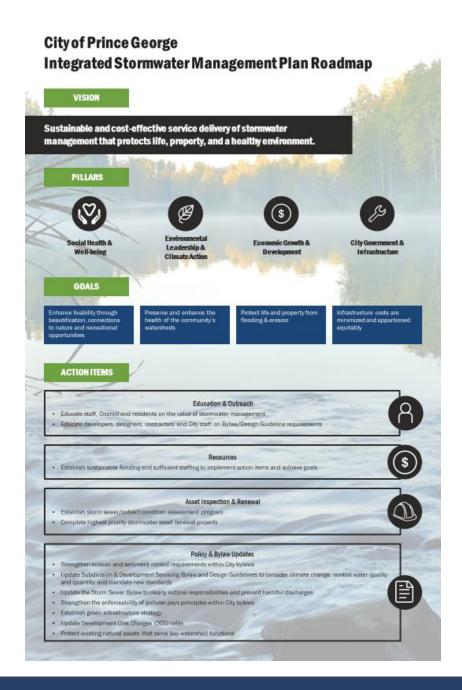
#### TWP #4 - Financial Options

- · Review Previous funding initiative
- Summary of other Municipal Stormwater financing models

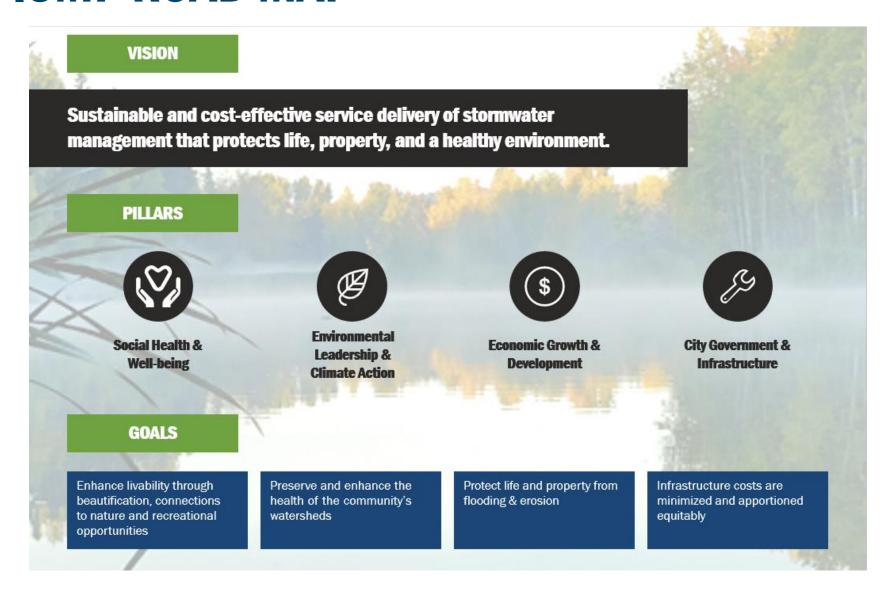
Public Engagement (Fall 2021)

**Final Presentation to Council (Dec 2021)** 

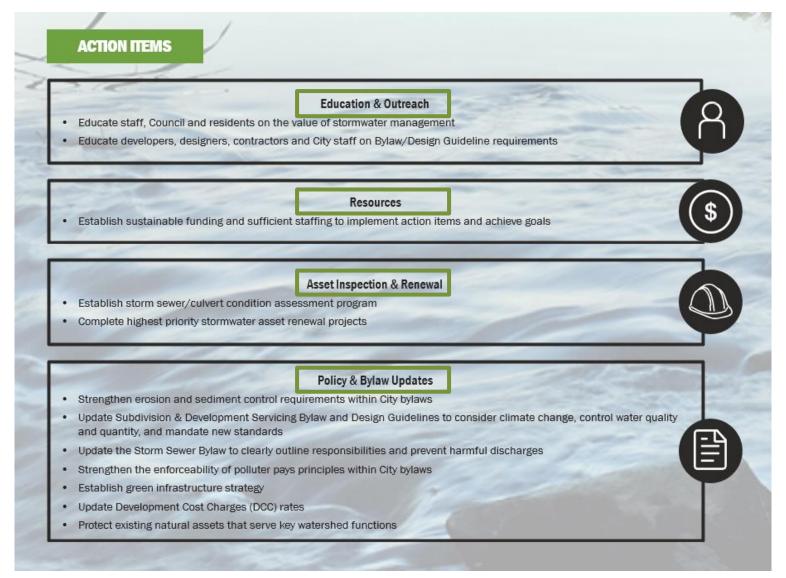
# ISMP ROAD MAP



#### **ISMP ROAD MAP**



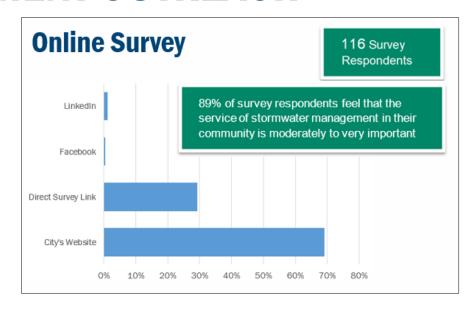
#### **ISMP ROAD MAP**



### **ROADMAP ACTION ITEMS COMPLETED:**

#### STORMWATER MANAGEMENT OUTREACH

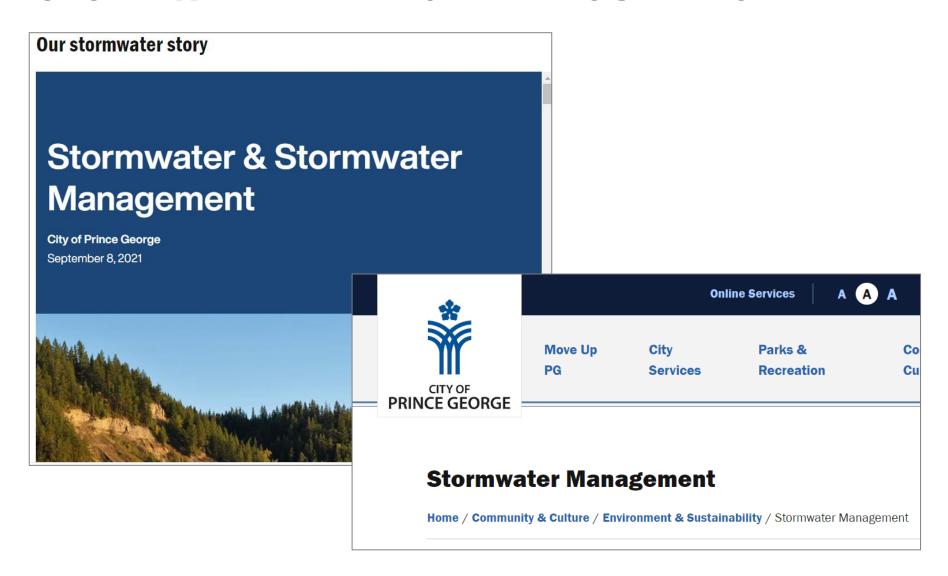






# Facebook Over 21,000 views of the City's Facebook post about stormwater, the ISMP and consultation process

#### STORMWATER MANAGEMENT OUTREACH



#### **INFRASTRUCTURE RENEWALS SINCE 2022**

#### 2.3km Gravity Main Lined







#### **INFRASTRUCTURE RENEWALS SINCE 2022**









7km of Pipe Inspected Using a CCTV Camera



# PROTECTING NATURAL ASSETS













**CITY OF PRINCE GEORGE** 

## WHAT'S NEXT:

Erosion & Sediment Control Bylaw: 2024-2025





- Update the Storm Sewer Bylaw to clearly outline responsibilities and prevent harmful discharges: Start in 2026.
- Strengthen enforceability of polluter pays principles with City bylaws



 Update Subdivision & Development Servicing Bylaw and Design Guidelines to consider climate change, control water quality and quantity, and mandate new standards: Start in 2024







Update Development Cost Charge (DCC) rates: Start after adoption of OCP



# PRINCE GEORGE

City of Prince George Development Cost Charge

Bylaw No. 7825, 2007

#### CONSOLIDATED VERSION

CONSOLIDATED FOR CONVENIENCE

Revised: September 13, 2010

The principal of 'development pays for development' is the purpose of the DCC Bylaw

#### **CONDITION ASSESSMENT PROGRAM**



Grade	Definition
5	Most significant defect grade
4	Significant defect grade
3	Moderate defect grade
2	Minor to moderate defect grade
1	Minor defect grade

Table 26 Inspected Segment Grade Interpretation

Grade	Definition
5	Immediate attention needed
4	Poor; will be become grade 5 in near future
3	Fair; moderate defects
2	Good; the pipe has not begun to deteriorate
1	Excellent; no to minor defects



 Forecasting when infrastructure needs to be renewed or replaced;

Source: rauschusa.com

Minimizing infrastructure failures and the resulting costs;



 Extend the life of the asset before it becomes completely deteriorated and must be entirely replaced.

#### **DEDICATED FUNDING**

- Public Engagement: April 2024
- Engagement Results Council Presentation: Summer 2024

