

Albert Street Reconstruction Town of Petawawa Presentation for Property Owner March 2, 2002



Albert St. – Public Presentation

Agenda

1. Introductions
2. Purpose of the Project
3. Works to be Undertaken
4. Project Reporting Requirements
5. Review of Project's Impact on the Environment
6. Mitigation Measures
7. Project Schedule
8. Q & A Session



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Introductions

- Steve Webster, P. Eng. – Vice President, Jp2g Consultants Inc.
- Dave Unrau, P. Eng. – Director of Public Works, Town of Petawawa
- Rob Sapinski, P. Eng. – Senior Civil Engineer, Jp2g Consultants Inc.
- Bryana Kenny, B. Sc. (Hons.) – Biologist, Jp2g Consultants Inc.



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Purpose of the Project

- Albert Street has been identified as a priority road for upgrade based on the Town of Petawawa's Asset Management Plan and Pavement Condition Assessment.
- Albert Street has also been identified in the Town's Active Transportation Plan as a priority one project





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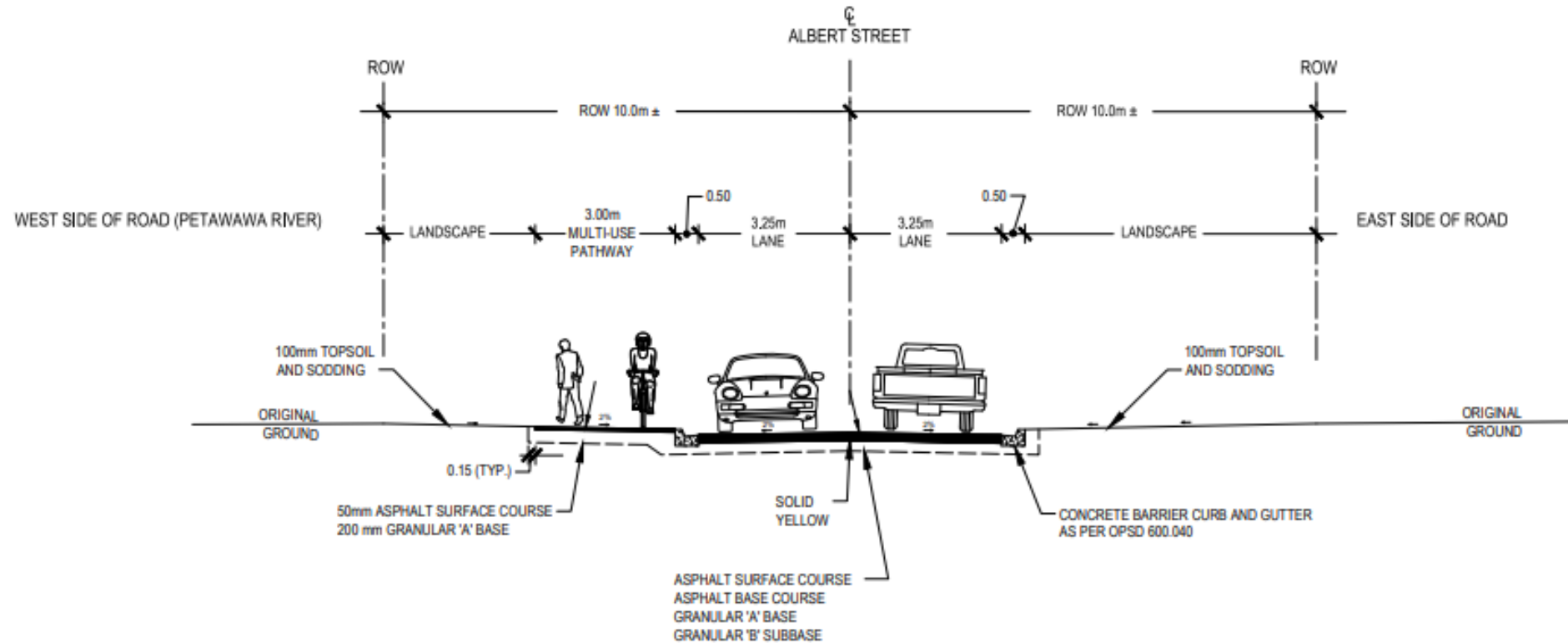
Purpose of the Project

- The primary purposes of the Albert Street Reconstruction project are to:
 - Provide an updated road surface to Albert St. while improving the safety, (speed ie narrower road)
 - Provide for an enhanced Multi-Use Pathway along the street, similar to what has recently been built in other areas of the Town, in keeping with the Town's Active Transportation Plan (separated from the road with a curb)
 - Address drainage issues along certain sections of Albert St. (water quality enhancement)



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Works to be Undertaken





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Works to be Undertaken

- Refer to Overall Plan



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Works to be Undertaken

- Jp2g started working on this project in the late spring of 2021
- Throughout the summer and early fall of 2021, Jp2g staff reviewed various options to provide enhanced storm drainage for Albert Street as well as the surrounding streets.
- The options were reviewed with Town staff and the option to utilize Louise Street as the outlet was selected based on the following:
 - The intersection of Louise Street and Albert Street is the lowest point along the entire length of Albert Street
 - The Louise Street road allowance extends to the Petawawa River, so no property acquisition is required
 - It was noted as being the most financially viable of the options considered.



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Project Reporting Requirements

- Project is being undertaken in accordance with the Municipal Class Environmental Assessment process.
- Under this process, the Albert Street Reconstruction project is considered a Schedule A+ undertaking, as it falls within the project type of *“Establish, extend or enlarge a sewage collection system and all necessary works to connect the system to an existing sewage or natural drainage outlet, provided all such facilities are in either an existing road allowance or an existing utility corridor, including the use of Trenchless Technology for water crossings.”*
- Schedule A+ projects are considered to the pre-approved, however, the public is to be advised prior to project implementation.



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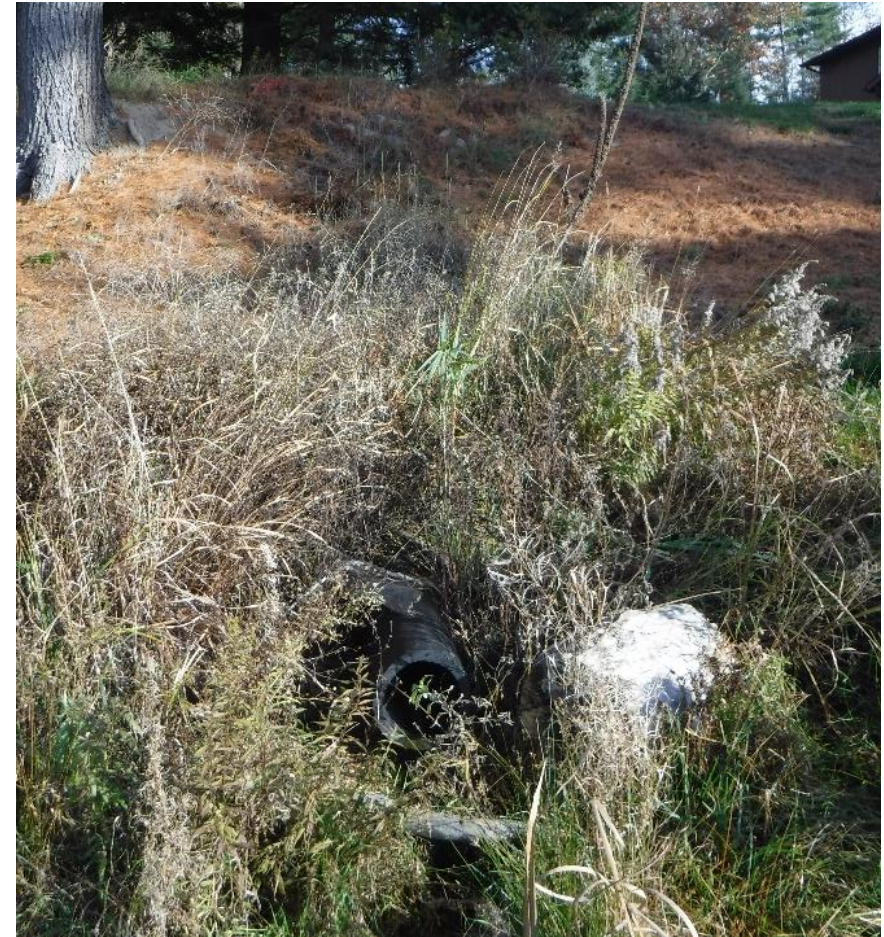
Review of Project's Impact on the Environment

- Site Visit undertaken on November 9th, 2021
- Items that were identified
 - An existing storm outlet is located in the side slope leading to the Petawawa River
 - The shoreline of the river is sandy and contains small rocks and pebbles. Some branches and logs were also noted along the shoreline.
 - The river itself contains sandy soils, with some pebbles, rocks, clams, branches and some submerged aquatic vegetation.
 - No Species-at-Risk (SAR) were observed
 - The site visit was conducted outside of the active period for most species; however we recognize that there is potential habitat present for certain species and we are proposing mitigation measures in case they are present during construction in order to ensure no adverse impacts occur on those species as a result of the proposed works



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Review of Project's Impact on the Environment





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Review of Project's Impact on the Environment





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Mitigation Measures

- Potential Species at Risks

Species	Potential Habitat Present	Mitigation Measures
<p>Fish</p> <ul style="list-style-type: none">American eel (E)Lake sturgeon (T)	River	<ul style="list-style-type: none">No in-water works and will not be creating greater flows than existing conditions.The extent of exposed soils is to be <u>kept to a minimum at all times</u>. Re-vegetation with native trees and shrubs of exposed, non-developed areas is to be achieved as soon as possible.Erosion and sediment control measures to be properly installed and be maintained until complete re-vegetation of disturbed areas is achieved.No maintenance on construction equipment (refuelling, washing and fluid changes etc.) should take place within 30 metres of any surface water features.Request for Review has been submitted to the Department of Fisheries and Oceans (DFO). Any additional mitigation measures will be implemented.



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Mitigation Measures

- Potential Species at Risks

Species	Potential Habitat Present	Mitigation Measures
Turtles <ul style="list-style-type: none">• Blanding's turtle (T)• Northern map turtle (SC)	River & Shoreline	<ul style="list-style-type: none">• No in-water works.• Turtle active season (April 16th and October 15th).• A properly installed and maintained temporary exclusion barrier is to be erected around any areas where the proposed works will occur prior to all site preparation and construction activities.• Exclusion fencing along the shoreline to be installed prior to April 16th to ensure no turtles can access this area to nest.• The work areas are to be searched for turtles. Any turtles observed are to be relocated as required.

Species	Potential Habitat Present	Mitigation Measures
Bats (most species endangered) & Birds (many bird nests and eggs are protected)	Woody vegetation	<ul style="list-style-type: none">• No tree or shrub removal should occur between April 1st and October 1st, unless a breeding bird survey is completed by a qualified professional within five days of the woody vegetation removal identifies no nesting activity and evening surveys identify no bat activity in the vicinity of the work area.



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Mitigation Measures

General Recommendations to be included the contract documents:

- Construction staff should receive training to know how to identify SAR on site and to know what to do if one is found on site (alive, injured, nesting etc.).
- If any SAR are observed or if a nest is observed during construction, activity in the area is to stop and the MECP and a biological consultant contacted immediately.
- Any occurrences of SAR found on site should be submitted to the NHIC as soon as possible.
- If any SAR are discovered throughout the course of the work and/or should any SAR or their habitat be potentially impacted by on site activities, MECP should be contacted and operations be modified to avoid any negative impacts to SAR or their habitat until further direction is provided by MECP.
- **No adverse impacts are anticipated to occur on these species provided these recommendations and mitigation measures are properly implemented.**



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Mitigation Measures

Mitigation Measures for Storm Drainage

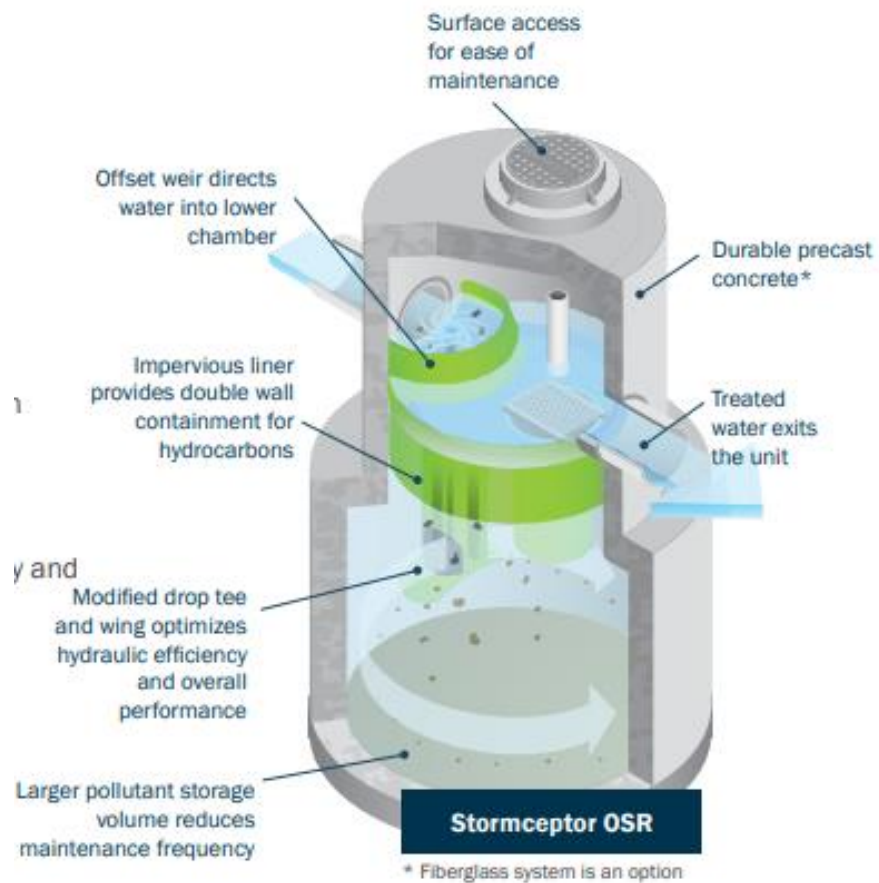
- Storm Sewer systems will include sumps within the catchbasins and maintenance holes that will allow for the capture of some of heavier particles, in particular the winter sand, in the storm water.
- An underground oil/grit separator will also be installed on Louise Street prior to the water discharging to the Petawawa River. This unit will:
 - Capture and hold oil and greases that are present in the runoff from the road.
 - Capture and hold sands and silts that are also present in the runoff.
 - Allow the clean water to bypass the unit and discharge to the river.



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Mitigation Measures

Sample Oil/Grit Separator





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Mitigation Measures

- Site restoration of the area will include landscaping works including tree planting. This plan will be circulated once it is available
- Installation of a chain-link fencing to discourage public access to the river's edge
- The area will be reviewed by Bryana on a regular basis during the construction period to identify any of concerns.
- She will also do a follow-up review in 2023, a year after the construction is completed, to assess the area and recommend any further work, if any, to be completed.



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Project Schedule

- The following is the currently anticipated schedule for the project:
 - Design Completion: March 14th, 2022
 - Tenders Submitted: April 5th, 2022
 - Minimal Tree removal: Completed by April 1st (weather dependent)
 - Works to install turtle exclusion fencing: April 1st to April 15th, (weather dependent)
 - Start of Construction: June 1st, 2022
 - Completion of Project: October 30th, 2022

Questions?