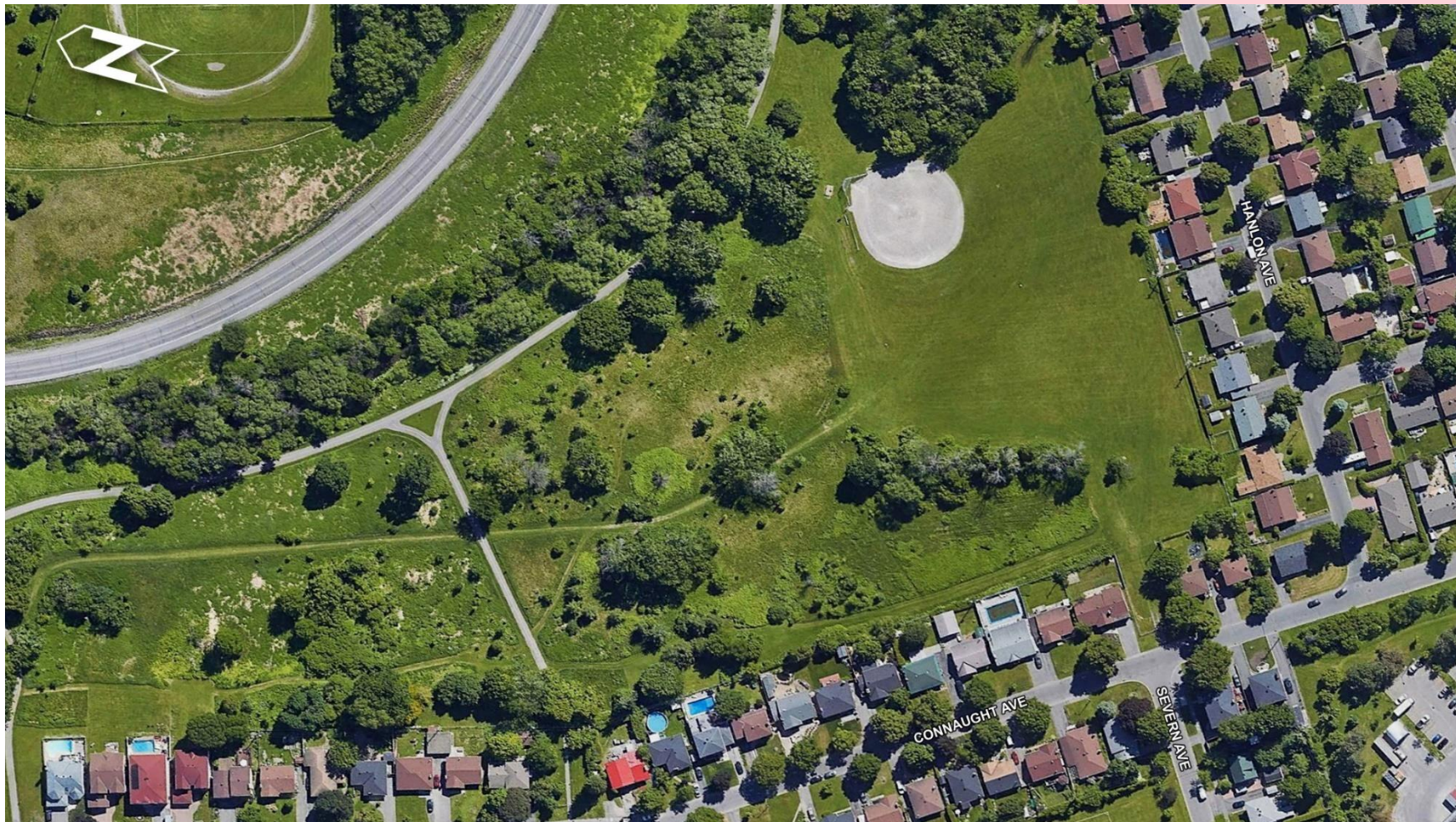


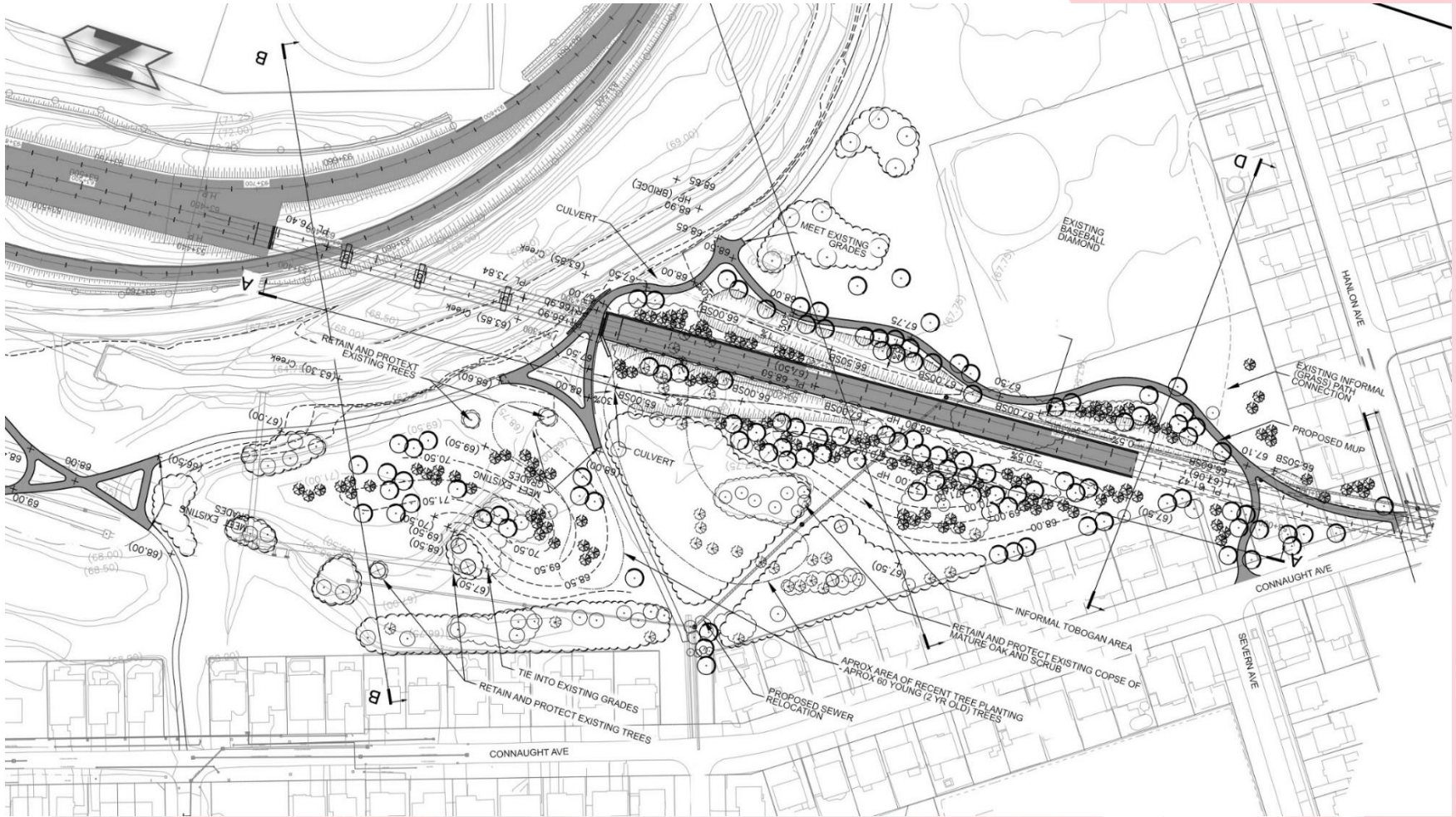
Connaught Park Noise Attenuation

September 2021



Pre-construction Conditions





KEV Large Berm Option

- An initial large berm option was considered in order to maximize on site soil reuse and potentially provide secondary benefits such as noise reduction and sight line improvements to nearby residents.
- Upon further review, the large berm option does not provide meaningful noise reductions and presents conflicts with trees, utilities, and pathways.



As per community commitments and the contract, a noise study was required to inform the final design.

- Key factors for the analysis included:
 - Existing noise levels based upon Stage 1 operations;
 - Operational train speeds and vehicle characteristics; and,
 - Detailed track designs and alignments.
- The output from the study confirm that additional mitigations are required in order to meet City and provincial standards.
- The option of building large berms was considered as a possible solution for noise mitigation; however, this option is not effective.

Engineered Elements



Engineered Elements



Noise Walls



Acoustical Wall Panels



Rail Dampers



Proposed Conifers



Photo: Famartin

White Pine



Common Larch



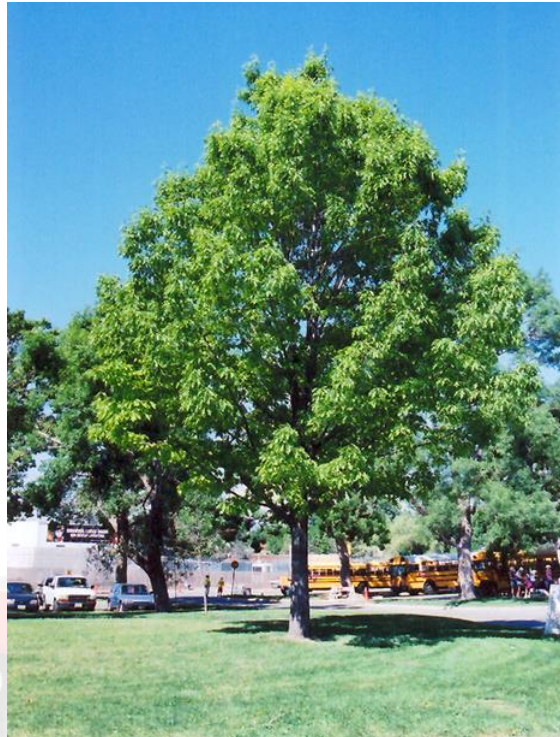
White Spruce

Proposed Deciduous



Red Maple

Photo: Famartin



Common Hackberry



Accolade Elm

From Connaught – Initial



From Connaught – Year 1



From Connaught – Year 15



From Hanlon – Initial



From Hanlon – Year 1



From Hanlon – Year 15



From Park Entrance – Initial



From Park Entrance – Year 1



From Park Entrance – Year 15



Noise Attenuation Wall Options



Park Entrance – With Vines



KEV Construction Schedule

To be completed in 2021

- Connaught watermain relocations - October

To be completed in 2022

- Connaught Avenue Realignment - September
- Split Structure/Fly Over - July

To be completed 2023

- Connaught Cut and Cover - September

Community Feedback

- Type of Wall
- Extent of Vine Planting
- Comments and preferences submitted by Oct. 19th

Community Engagement

- Next PAC
- Public Information Session

Thank-you



OC Transpo

 **OTrain**