Memorandum

To: Jeff McIsaac, C.E.T., Coordinator, Development Engineering, City of Burlington

cc: Thomas Kastelic, Branthaven

From: Todd Smith, Project Arborist, Beacon Environmental Limited

Date: September 7, 2023

Ref.: Comments on draft Agreed Statement of Facts – Servicing; Site Meeting July 31

Re: **Development / shoring wall impacts to Tree Groups D, E (cedar hedges)**
WITHOUT PREJUDICE

Dear Jeff:

This memorandum provides an update to the May 23, 2023 Arborist Memorandum discussing impacts to the existing cedar hedge in the northwest aspect of Sherwood Forest Park. Since that time, an in-person site meeting was held on July 31, 2023, to review the hedge and discuss ways to mitigate against impacts from construction, namely shoring and underground parking garage foundations. Present at this meeting were representatives from the City of Burlington, Branthaven, Jennifer Lawrence and Associates, Urbantech Consulting, and Beacon. Notes from that meeting are included as **Attachment A**.

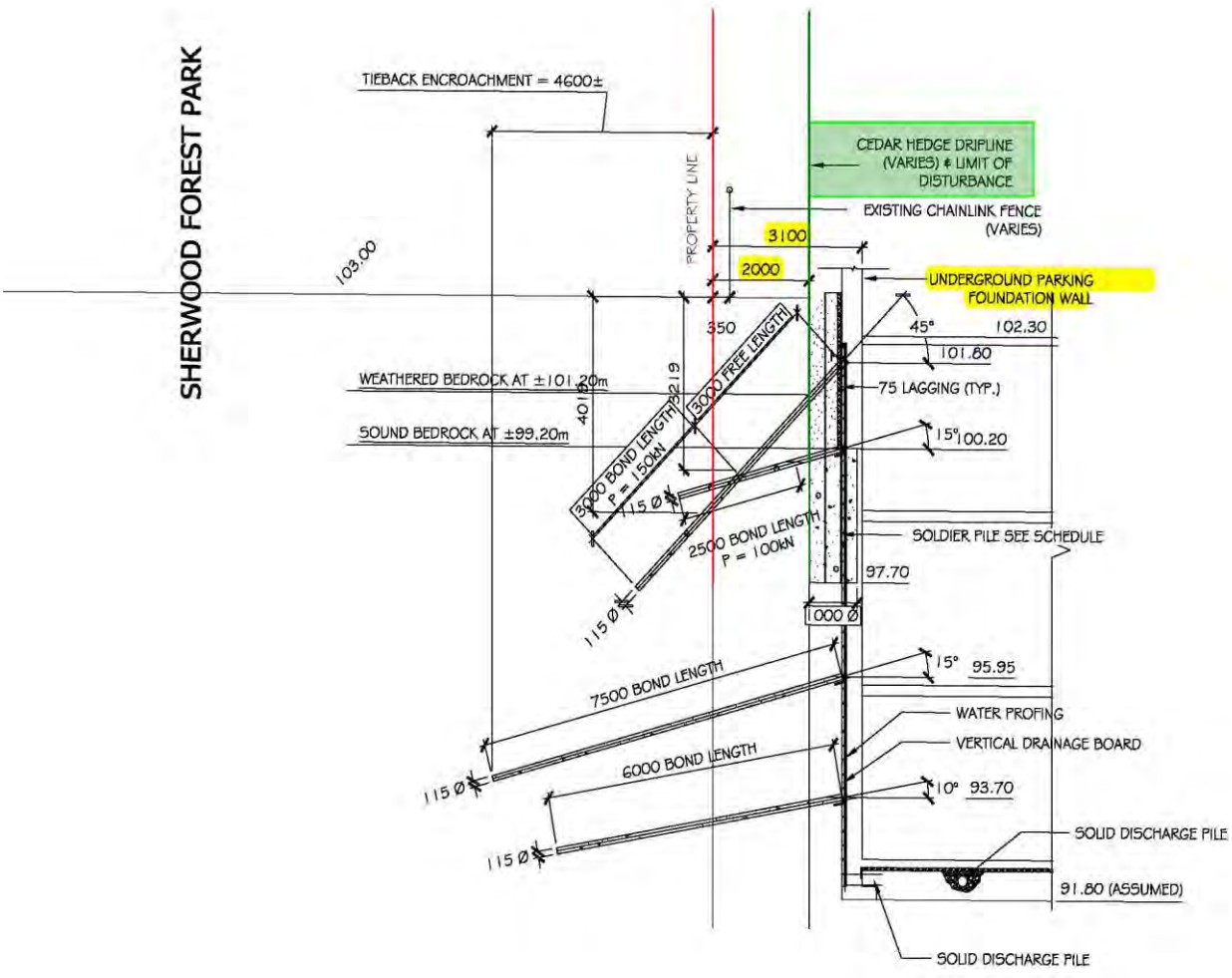
Based on input received from City staff during the site meeting and informed by subsequent comments from the City on August 28, 2023. Branthaven has reviewed the notes and design and has agreed to revise the Site Plan in the vicinity of the cedar hedge (i.e., Tree Groups D and E). **Attachment A** illustrates these revisions:

- Comments in red: Pull back the limits of the underground parking garage foundational wall to 3.1 m from property line for the entirety of the hedge footprint (north and south of the Oak tree);
- Comments in purple: Setback limit of disturbance (i.e., piles, overdig, lagging, etc. with the exception of underground tie-backs) to be 2 m from property line as shown in the shoring detail section on page 3, for the entirety of the hedge footprint (north and south of the Oak tree); and
- Comments in blue: Relocate Oval Court Plaza to fully within private property.

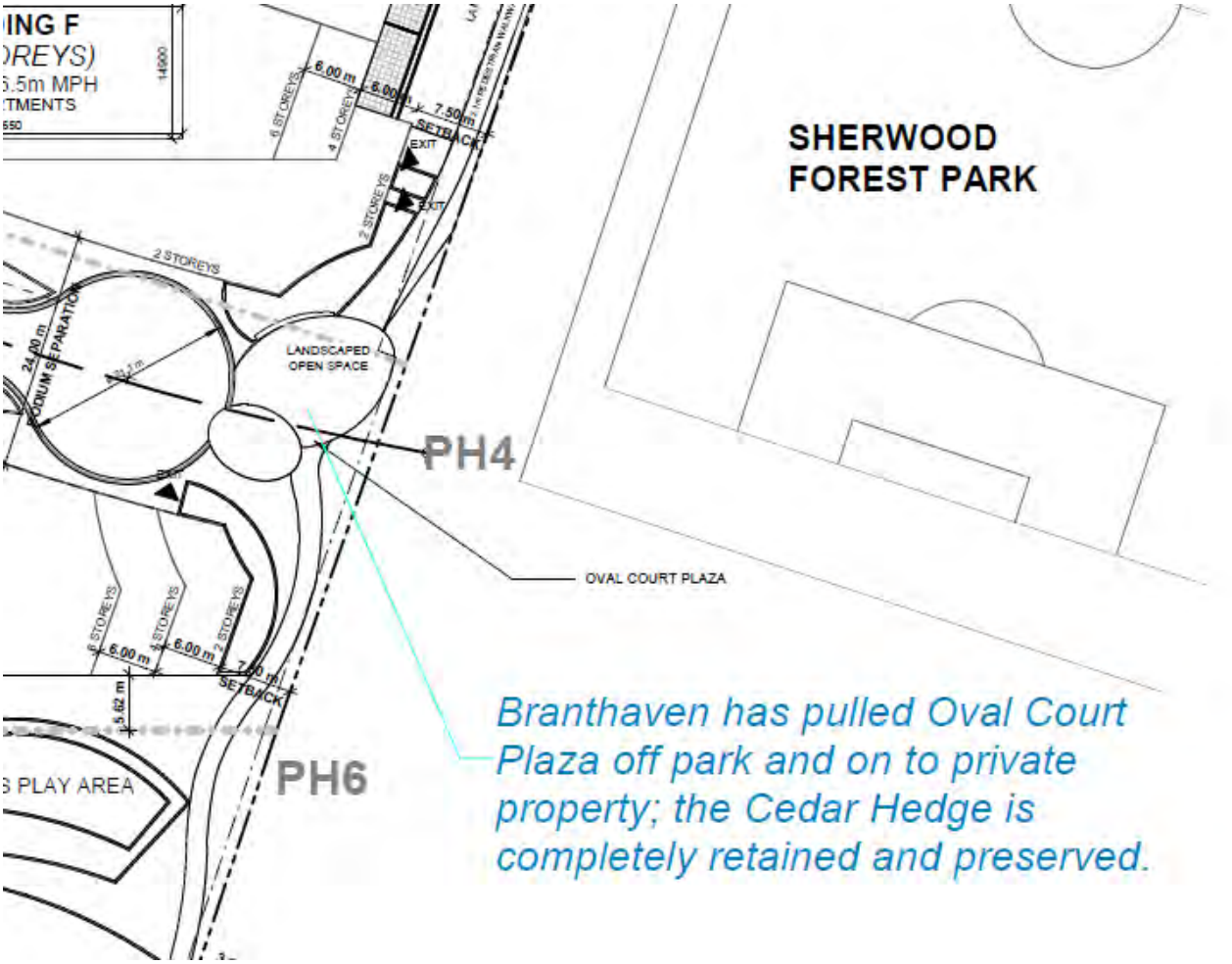
Mitigation with respect to Tree 561 (the Oak tree) will occur as previously agreed.

These Site Plan revisions will remove the requirement for construction within the Minimum Tree Protection Zone (MTPZ) of 2.4 m – measured from sides of trunks in the hedge. Additionally, while the trunks and dripline of the hedge vary in distance in relation to property line along its length, the revisions allow for a Critical Root Zone (CRZ) to be protected along much of the hedge's footprint. Tree protection fencing is to be installed at a 2 m offset from property line, along shoring works setback. In the case where the disturbance encroaches into the Critical Root Zone of cedars greater than 10 cm in diameter at breast height, air-spade and root pruning will be conducted at the discretion of the site Arborist.

Please see typical shoring detail, as requested at the meeting on July 31, 2023, relevant to Tree Groups D and E, below illustrating this design intent. In the case of Tree 561, the limit of shoring disturbance will be set back a minimum of 11 m from the trunk (i.e., outside the dripline and CRZ).

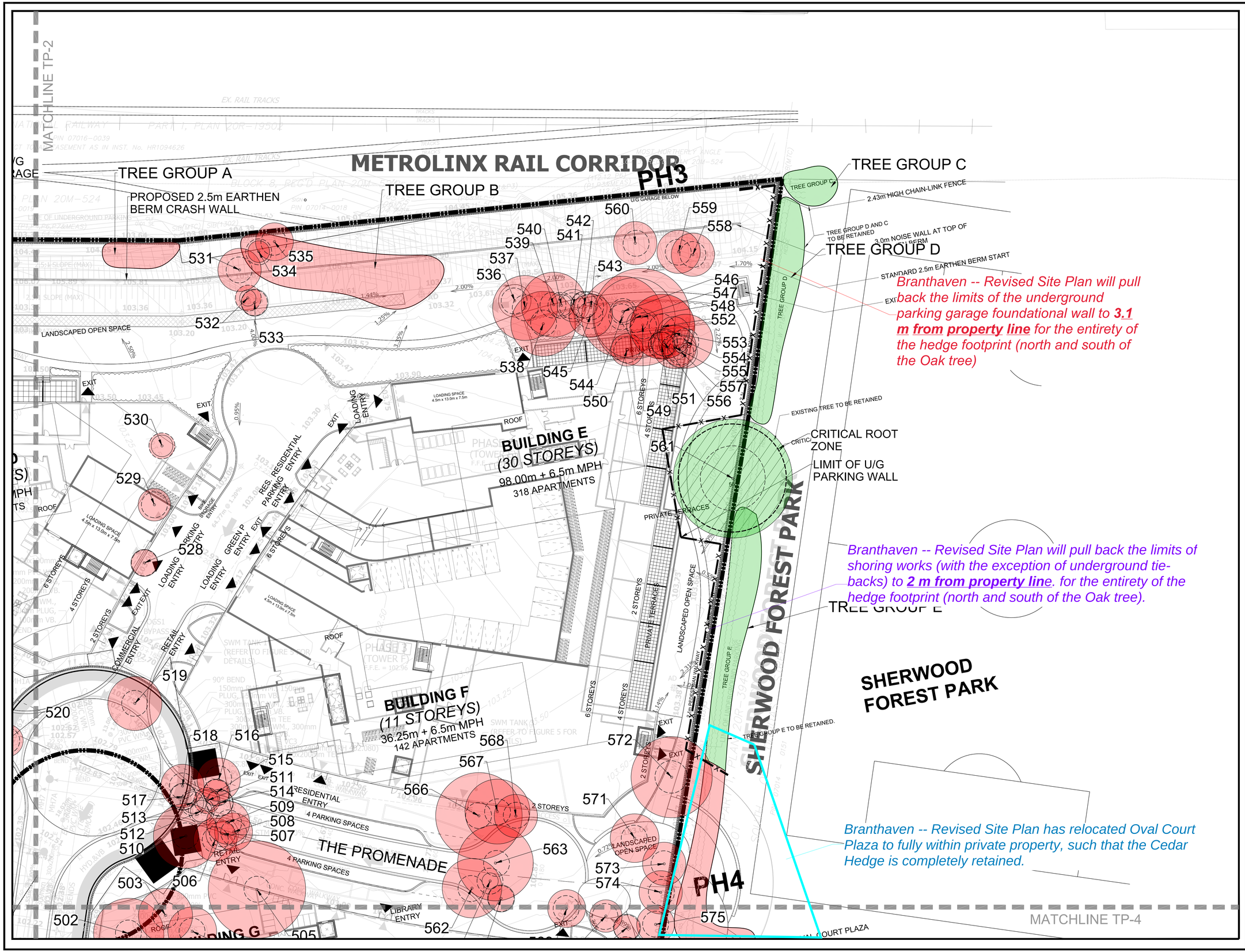


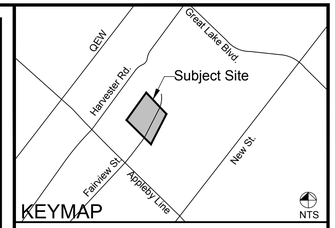
Relocation of the Oval Court Plaza to within private property mitigates the need for hedge removals and impacts in this area. Please see sketch below illustrating this design intent.



We trust these Site Plan revisions address any outstanding concerns related to the issues of protecting the cedar hedge.

Attachment A





LEGEND

- Existing Property Boundary
- Tree Preservation Fence
- Proposed Property Line
- Proposed Underground Parking Garage
- 1678 Tree tag
- Tree Crown
- Minimum Tree Protection Zone
- Critical Root Zone
- Tree Location
- Tree to be Preserved
- Tree to be Removed

Notes: Scale shown is for an 36" x 24" page.
For illustrative purposes. Do not scale

N°	REVISIONS	DATE:	BY:
6			
5			
4			
3			
2	ISSUED FOR OLT SETTLEMENT OFFER	2023/03/15	TS
1	ISSUED FOR OPA/ZBA	2021/04/09	NC

SCALE
1:500
0 10 20 40m

NORTH ARROW

CERTIFIED ARBORIST ISA
TODD SMITH
#ON-1608A

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SHEET TITLE
TREE INVENTORY AND PRESERVATION PLAN

PROJECT N°:	218416
DRAWN BY:	NC/CS
CHECKED BY:	--
DATE:	16 March 2023
FIGURE N°:	TP-3