Tree Evaluation Report for:
1057 Gibsons Way
Town of Gibsons, BC

Prepared by:

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Date: June 16, 2023
Revised: August 14, 2023
Revised: August 23, 2023

1.0 INTRODUCTION

We attended the site in November 2022 and February 2023 to make recommendations for removal and preservation for the development application proposed at 1057 Gibsons Way. The property is located east of Pratt Road and south of Gibsons Way. The application proposes the construction of apartment buildings with retail spaces, internal roads and parking lot. A plan showing the proposed building footprint, lot lines, services and topographical survey was provided for our use and used as a resource for making recommendations pertaining to tree removal and retention. *The August 14, 2023 revision reflects the updated civil plan. The August 23, 2023 revision reflects the updated site and civil plans.*

Figure 1. Aerial photograph of subject site (SCRD Maps).

2.0 FINDINGS

All trees along the south property line are located at a higher grade from the neighbouring properties to the south. The tree resource is predominantly coniferous with species including Douglas-fir *(Pseudotsuga menziesii)* and Western redcedars *(Thuja plicata).* Deciduous component majorly comprises of short lived species like Red alder *(Alnus rubra)* and Black cottonwood *(Populus trichocarpa)* along with Black locust *(Robinia pseudoacacia)* and a few Cherry *(Prunus sp)* trees. Photographs are provided in Appendix A.

Table 1 provides individual tree data. Specific information includes tree type, diameter at breast height (DBH), structure and health rating (poor (P), moderate (M), good (G) or a combination of two), live crown ratio (LCR) and structural observations. Health refers to the tree's overall health and vigor, while structure is a qualitative rating of a tree's shape and structure when compared to ideal trees of the same species and age class. Trees were evaluated for their preservation potential based on health, structure, location and species factors. Trees expected to be unsafe, conflicting with the proposed building plans, of poor health or of little long-term retentive value are recommended for removal and are shown on the attached Tree Preservation and Removal Plan.

3.0 TREE PROTECTION

Tree protection fencing is to be installed as per municipal standards prior to construction with no excavation, grade alterations or materials storage within the tree protection zone. The consulting Arborist should be contacted prior to and be onsite for any construction within the recommended root protection zone which is approximately 6x the tree diameter. Grade alterations and other construction works required to provide drainage are not to occur within the root protection zone. Failure to comply with these recommendations may result in delays, stop work orders or fines imposed by the municipality.

4.0 TREE PRESERVATION SUMMARY

Our plans have been provided to the design team and it is expected that all consultants and contractors adhere to the recommendations in this report and ensure there is no conflict with Tree Protection Zones. No ground disturbance or grade alterations are permitted within the Tree Protection Zones unless preapproved by the project arborist. Mechanical injuries caused to trees below or above ground cannot be repaired. All parties must be aware that long-term success in tree preservation efforts depends greatly on minimizing the impact caused during and post construction. Best efforts must be made to ensure that soils remain undisturbed within the tree protection zones. Ongoing monitoring and implementation of mitigating works, such as watering, mulching, etc., is essential for success.

5.0 LIMITATIONS

This Arboricultural field review report is based on site observations on the dates noted. Effort has been made to ensure that the opinions expressed are a reasonable and accurate representation of the condition of the trees reviewed. All trees or groups of trees have the potential to fail. No guarantees are offered or implied by Mike Fadum and Associates Ltd. or its employees that the trees are safe given all conditions. The inspection is limited to visual examination of accessible items without dissection, excavation, probing, coring or climbing. Trees can be managed, but they cannot be controlled. To live, work or play near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

The findings and opinions expressed in this report are representative of the conditions found on the day of the review only. Any trees retained should be reviewed on a regular basis. The root crowns, and overall structure, of all the trees to be retained must be reviewed immediately following land clearing, grade disturbance, significant weather events and prior to site usage changes.

Please contact the undersigned if you have any questions or concerns regarding this report.

On behalf of Mike Fadum and Associates Ltd.

Rhythm Batra
ISA Certified Arborist PN-8932A
TRAQ

Table 1 - Tree Evaluation: 1057 Gibson Way, Town of Gibson, BC

Tree #	Type	DBH (cm)	Dripline /DL (m)	LCR (%)	Condition (Structure, Health)	Observations	Recommendation	TPZ (m)
3425	Douglas-Fir *(Pseudotsuga menziesii)*	21	~1.5	30	M, M	Narrow, high canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**1.5**
3426	Douglas-Fir *(Pseudotsuga menziesii)*	26	~2.5	20	M, M	High canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3427	Douglas-Fir *(Pseudotsuga menziesii)*	21	~1.5	20	M, M	Narrow, high canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**1.5**
3428	Douglas-Fir *(Pseudotsuga menziesii)*	19	~1.5	20	M, M	Narrow, high canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**1.5**
3429	Douglas-Fir *(Pseudotsuga menziesii)*	26	~3.5	60	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3430	Douglas-Fir *(Pseudotsuga menziesii)*	21	~3.0	80	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3431	Douglas-Fir *(Pseudotsuga menziesii)*	23	~3.0	50	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.0**
3432	Douglas-Fir *(Pseudotsuga menziesii)*	20	~4.0	90	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0/ DL**
3433	Douglas-Fir *(Pseudotsuga menziesii)*	27	~5.0	95	M, G	Slightly phototropic. High foliage density. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.0/ DL**
3434	Western Redcedar *(Thuja plicata)*	28/27	~3.0	100	M, MG	Medium crown density. Co-dominance forms at the base. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0/ DL**
3435	Douglas-Fir *(Pseudotsuga menziesii)*	23	~3.5	90	M, M	Forest-grown. Shaded. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.5/ DL**

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3436	Douglas-Fir *(Pseudotsuga menziesii)*	25	~3.0	70	M, MG	Shade suppressed. Growing as part of a group. Asymmetrical crown due to competition.	**Retain**	**2.5**
3437	Arbutus *(Arbutus menziesii)*	8	~5.0	NA	M, G	Highly phototropic to the west. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.0/ DL**
3438	Douglas-Fir *(Pseudotsuga menziesii)*	23	~2.0	80	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.0**
3439	Douglas-Fir *(Pseudotsuga menziesii)*	28	~4.5	90	M, M	Phototropic. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.5/ DL**
3447	Arbutus *(Arbutus menziesii)*	23	~2.5	NA	M, MG	Grows almost horizontally from the base before it self-corrects at 1/3rd. Growing against chain link fence. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3448	Douglas-Fir *(Pseudotsuga menziesii)*	26	~3.0	90	M, M	Medium crown density. Shared canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0/ DL**
3449	Douglas-Fir *(Pseudotsuga menziesii)*	28	~4.0	60	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
3450	Douglas-Fir *(Pseudotsuga menziesii)*	21	~2.5	40	M, M	Narrow, high canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3451	Douglas-Fir *(Pseudotsuga menziesii)*	32	~4.0	95	M, MG	Forest-grown. Healthy foliage. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0/ DL**
3452	Douglas-Fir *(Pseudotsuga menziesii)*	34	~5.0	90	M, MG	Forest-grown. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.0/ DL**
3453	Douglas-Fir *(Pseudotsuga menziesii)*	21	~2.5	40	M, MG	Dead hanger. Exposed buttress root. High canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**

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3454	Douglas-Fir *(Pseudotsuga menziesii)*	21	~3.0	60	M, MG	Canopy weighted to the west. Shade suppressed. S-shaped stem in upper canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3455	Douglas-Fir *(Pseudotsuga menziesii)*	25	~3.0	40	M, MG	Shade suppressed. Growing as part of a group. High phototropic canopy. Medium foliage density. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3456	Douglas-Fir *(Pseudotsuga menziesii)*	20	~1.5	20	MP, M	Growing as part of a group. High phototropic canopy. Asymmetrical crown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3457	Douglas-Fir *(Pseudotsuga menziesii)*	23	~4.0	60	M, MG	Asymmetrical crown. Canopy weighted to the northwest. Growing at the edge of depression. Mechanical damage to the northwest side with varied response growth. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3458	Douglas-Fir *(Pseudotsuga menziesii)*	22	~2.5	40	M, M	High canopy. Not suitable as a stand alone tree. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3459	Douglas-Fir *(Pseudotsuga menziesii)*	21	~2.0	60	M, M	Growing as part of a group. Not suitable as a stand alone tree. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.0**
3460	Douglas-Fir *(Pseudotsuga menziesii)*	19/4	~5.0	50	M, MG	Included bark at the union. Asymmetrical crown due to competition. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3461	Douglas-Fir *(Pseudotsuga menziesii)*	29	~3.0	95	M, M	S-shaped stem. Growing as part of a group. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
3462	Douglas-Fir *(Pseudotsuga menziesii)*	29	~3.5	60	M, MG	Growing as part of a group. Asymmetrical crown due to competition. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**

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3463	Douglas-Fir *(Pseudotsuga menziesii)*	23	~3.0	60	M, MG	Growing on a mound. Asymmetrical crown due to competition. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
3464	Douglas-Fir *(Pseudotsuga menziesii)*	21	~2.0	25	MP, M	Not suitable as a stand alone tree. High phototropic canopy. Failed top. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3465	Douglas-Fir *(Pseudotsuga menziesii)*	27	~3.0	40	M, MG	High canopy. BC Hydro PMT within ~3.0m of the tree. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3466	Douglas-Fir *(Pseudotsuga menziesii)*	25	~3.5	60	MG, MG	Asymmetrical crown weighted to the south. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3467	Douglas-Fir *(Pseudotsuga menziesii)*	28	~4.0	50	M, MG	Phototropic lean in upper crown. Stubs in lower crown. Canopy weighted to the south. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
3468	Douglas-Fir *(Pseudotsuga menziesii)*	23	~2.6	95	M, MG	Forest-grown. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3469	Douglas-Fir *(Pseudotsuga menziesii)*	27	~5.0	90	M, MG	Slightly phototropic. Healthy foliage. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.0/ DL**
3470	Douglas-Fir *(Pseudotsuga menziesii)*	27	~3.0	60	M, MG	Forest-grown. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
3471	Douglas-Fir *(Pseudotsuga menziesii)*	37	~3.5	90	MG, G	Healthy foliage. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.5/ DL**
3472	Douglas-Fir *(Pseudotsuga menziesii)*	22	~2.0	50	M, M	Forest-grown. High canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.0**
3473	Douglas-Fir *(Pseudotsuga menziesii)*	28	~3.0	75	M, MG	Forest-grown. Healthy foliage. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**

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3474	Douglas-Fir *(Pseudotsuga menziesii)*	24	~2.5	85	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3475	Douglas-Fir *(Pseudotsuga menziesii)*	27	~3.0	75	M, MG	Forest-grown. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3476	Douglas-Fir *(Pseudotsuga menziesii)*	28	~3.0	90	M, MG	Forest-grown. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0/ DL**
3477	Douglas-Fir *(Pseudotsuga menziesii)*	22	~2.5	80	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5/ DL**
3478	Douglas-Fir *(Pseudotsuga menziesii)*	29	~3.5	95	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.5/ DL**
3479	Douglas-Fir *(Pseudotsuga menziesii)*	27	~3.0	100	MG, MG	Healthy foliage. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0/ DL**
3480	Douglas-Fir *(Pseudotsuga menziesii)*	23	~2.5	95	MG, MG	Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5/ DL**
3481	Douglas-Fir *(Pseudotsuga menziesii)*	26	~3.0	60	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
3711	Red Alder *(Alnus rubra)*	~35	~3.0	NA	M, MP	Heavy blackberry at the base prevented thorough assessment. Growing next to the chainlink fence, at the base of the slope. Dead top. Phototropic lean and canopy weighted to the east.	**Retain**	**3.0**
3712	Red Alder *(Alnus rubra)*	~30	~3.0	NA	M, M	Canopy weighted to the east.	**Retain**	**3.0**
3713	Red Alder *(Alnus rubra)*	~35	~3.0	NA	M, M	Two stems attached at the base.	**Retain**	**3.0**

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7105	Bigleaf maple *(Acer macrophyllum)*	~20/10	~5.0	NA	M, M	Stems growing through the chain link fence. Asymmetrical crown due to competition. Canopy weighted to the north. Topped previously. Included bark at the union. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.0**
7106	Black Cottonwood *(Populus trichocarpa)*	15	~1.5	NA	M, M	Pistol butt base. Buttress roots exposed.	**Retain**	**1.5**
7107	Black Cottonwood *(Populus trichocarpa)*	~20	~1.5	NA	M, M	Growing on a slope. Typical of species. High canopy. Tree conflicts with proposed construction.	**Retain**	**1.5**
7108	Red Alder *(Alnus rubra)*	21/13/10	~2.5	NA	M, M	Growing at the bottom of the slope. Dead hanger. Open grown canopy. Phototropic lean to the east.	**Retain**	**2.5**
7109	Red Alder *(Alnus rubra)*	20	~1.5	NA	MP, MP	Growing on a slope. Significant lean to the south. Trunk supported by neighbouring tree.	**Retain**	**1.5**
7110	Red Alder *(Alnus rubra)*	20	~2.0	NA	M, M	Growing on a slope. High phototropic canopy.	**Retain**	**1.5**
7111	Red Alder *(Alnus rubra)*	30	~2.5	NA	M, MP	Growing on top of the bank. Shade suppressed. Tree expected to be impacted by the construction of proposed access road.	**Remove** to accommodate construction.	**2.5**
7112	Black Locust (*Robinia pseudoacacia*)	25	~5.0	NA	M, M	Multistemmed. Growing on a slope. Medium-low foliage density. Tree expected to be impacted by the construction of proposed access road.	**Remove** to accommodate construction.	**5.0**

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7113	Douglas-Fir *(Pseudotsuga menziesii)*	48	~3.5	70	P, P	Partial failure. Decay evident. Current target rating is low. Lodged in healthy tree.	**Remove** due to poor condition.	**3.5**
7114	Red Alder *(Alnus rubra)*	~30	~5.0	NA	P, MP	Growing horizontally, targeting neighbour's parking area. Evidence of recent branches failure.	**Remove** to mitigate risk.	**3.0**
7115	Douglas-Fir *(Pseudotsuga menziesii)*	25	~2.0	50	M, M	Limb locked. High canopy.	**Retain**	**2.5**
7116	Douglas-Fir *(Pseudotsuga menziesii)*	23	~3.0	40	MG, M	Two trees joined at the base. Medium foliage density.	**Retain**	**2.5**
7117	Western Redcedar *(Thuja plicata)*	22	~3.0	100	MG, M	Two trees joined at the base. Medium foliage density.	**Retain**	**2.5**
10278	Black Cottonwood *(Populus trichocarpa)*	41	~3.0	NA	M, M	Growing on a slope. High phototropic canopy. Typical of species.	**Retain**	**3.0**
10279	Black Cottonwood *(Populus trichocarpa)*	30	~3.0	NA	M, M	Growing on a slope. High phototropic canopy. Typical of species.	**Retain**	**2.5**
10280	Cherry *(Prunus sp)*	~40/35	~3.5	NA	MP, M	Heavy blackberry at the base prevented thorough assessment and accurate DBH measurement. Growing at a lower grade, behind a chainlink fence. Pistol butt, two stems attached at the base. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0**

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10281	Cherry *(Prunus sp)*	~55	~10.0	NA	MP, M	Growing on a slope, behind chainlink fence. Limb locked. Codominant at ~3.0m with included bark. Evidence of past branch failure. Heavy phototropic lean to the west. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0**
10282	Western Redcedar *(Thuja plicata)*	~40/30	~5.0	85	M, MG	Growing on a slope, behind chainlink fence. Limb locked. Two stems attached at the base. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0**
10283	Black Cottonwood *(Populus trichocarpa)*	58	~5.5	NA	M, M	Shared root system. Deadwood throughout. Dead hangers. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0**
10284	Black Cottonwood *(Populus trichocarpa)*	56	~5.5	NA	M, M	Shared root system. Deadwood throughout. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0**
10285	Black Cottonwood *(Populus trichocarpa)*	~30	~3.5	NA	M, M	J-shaped stem. Multistemmed in upper canopy. Heavy blackberry at the base prevented through assessment. High canopy. Tree expected to be impacted by the construction of proposed access road.	**Remove** to accommodate construction.	**3.0**
10286	Black Cottonwood *(Populus trichocarpa)*	~45	~3.5	NA	M, M	Growing on a slope. Heavy blackberry at the base prevented through assessment. Limb locked. High canopy. Tree expected to be impacted by the construction of proposed access road.	**Remove** to accommodate construction.	**3.5**

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10287	Black Cottonwood *(Populus trichocarpa)*	~50	~3.0	NA	M, MG	Growing on a slope. Symmetrical canopy. Tree conflicts with proposed retaining wall.	**Remove** to accommodate construction.	**4.0**
10288	Black Cottonwood *(Populus trichocarpa)*	~50/30	~3.5	NA	M, M	Two stems joined at the base. Canopy lean to the south. High canopy. Tree expected to be impacted by the construction of proposed access road.	**Remove** to accommodate construction.	**4.5**
10289	Red Alder *(Alnus rubra)*	33	~2.5	NA	M, M	Growing on top of the bank. Leans to the north. Asymmetrical crown due to competition. Tree expected to be impacted by the construction of proposed access road.	**Remove** to accommodate construction.	**2.5**
10290	Black Locust (*Robinia pseudoacacia*)	~60	~5.5	NA	MP, M	Previously failed at ~1/2 its height. Medium to low foliage density. Growing on a slope. Tree expected to be impacted by the construction of proposed access road and retaining wall.	**Remove** to accommodate construction.	**5.5**
10291	Douglas-Fir *(Pseudotsuga menziesii)*	41	~5.5	80	MG, MG	Slight pistol butt base. Stubs in lower crown.	**Retain**	**3.0**
10292	Douglas-Fir *(Pseudotsuga menziesii)*	56	~4.0	95	MG, MG	Asymmetrical crown due to competition. Shared canopy. Foliage appears healthy.	**Retain**	**4.0/ DL**
10294	Douglas-Fir *(Pseudotsuga menziesii)*	37	~5.5	100	M, MG	Asymmetrical crown due to competition. Shade suppressed. Stubs in lower crown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.5/ DL**
10295	Douglas-Fir *(Pseudotsuga menziesii)*	41	~3.5	40	M, MG	Shade suppressed. Exposed buttress root. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**

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10296	Douglas-Fir *(Pseudotsuga menziesii)*	38	~5.0	40	MG, MG	Growing on a raised mound. High phototropic canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
10297	Douglas-Fir *(Pseudotsuga menziesii)*	30	~5.5	95	MG, MG	Canopy weighted to the north. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.5/ DL**
10298	Douglas-Fir *(Pseudotsuga menziesii)*	28	~4.0	70	MG, MG	Growing as part of a group. Asymmetrical crown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**2.5**
10299	Douglas-Fir *(Pseudotsuga menziesii)*	41	~5.0	70	MG, MG	Leans to the north. Canopy weighted to the north. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
10300	Douglas-Fir *(Pseudotsuga menziesii)*	40	~3.5	95	M, MG	Growing on a slope, as part of a group. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
10301	Douglas-Fir *(Pseudotsuga menziesii)*	48	~5.5	75	M, MG	Stubs in lower crown. Asymmetrical crown due to competition. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.5**
10302	Douglas-Fir *(Pseudotsuga menziesii)*	54	~4.5	60	M, MG	Canopy weighted to the west. Limb locked. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0**
10304	Douglas-Fir *(Pseudotsuga menziesii)*	46	~4.0	60	M, MG	Slight pistol butt. Canopy weighted to the south due to competition.	**Retain**	**3.5**
10305	Douglas-Fir *(Pseudotsuga menziesii)*	42	~4.5	70	MG, MG	Asymmetrical crown weighted to the south. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
10306	Douglas-Fir *(Pseudotsuga menziesii)*	32	~1.5	30	M, M	High canopy Stubs in lower crown. Shade suppressed. Growing on a mound.	**Retain**	**2.5**
10308	Douglas-Fir *(Pseudotsuga menziesii)*	37	~3.0	40	M, M	Growing as part of a group. High phototropic canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**

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10309	Douglas-Fir *(Pseudotsuga menziesii)*	42	~4.0	40	M, MG	Growing as part of a group. Stubs in lower crown. High canopy. Canopy weighted to the south. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.5**
10310	Douglas-Fir *(Pseudotsuga menziesii)*	70	~5.0	90	M, M	Thinning canopy. Some deadwood throughout. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.5**
10311	Douglas-Fir *(Pseudotsuga menziesii)*	67	~4.5	70	M, MP	Some dieback. Tree may have low vigor. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.5/ DL**
10312	Douglas-Fir *(Pseudotsuga menziesii)*	90	~5.5	90	MG, MG	Dominant tree. Good trunk taper. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.5/ DL**
10313	Douglas-Fir *(Pseudotsuga menziesii)*	46	~4.0	85	M, G	Healthy foliage. Shared canopy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.5**
10314	Western Redcedar *(Thuja plicata)*	70	~4.0	90	MP, MP	Dead top. Some limbs assuming dominance. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0/ DL**
10315	Douglas-Fir *(Pseudotsuga menziesii)*	43	~5.5	98	M, G	Slightly phototropic. High foliage density. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.5/ DL**
10316	Douglas-Fir *(Pseudotsuga menziesii)*	39	~5.0	95	M, MG	Dogleg at the bole. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**5.0/ DL**
10317	Douglas-Fir *(Pseudotsuga menziesii)*	47	~6.5	95	M, MG	Dogleg mid-stem. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**6.5/ DL**
10318	Douglas-Fir *(Pseudotsuga menziesii)*	41	~7.0	95	M, M	Medium crown density. Phototorpic. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**7.0/ DL**

Table 1 - Tree Evaluation: 1057 Gibson Way, Town of Gibson, BC

Tree #	Type	DBH (cm)	Dripline /DL (m)	LCR (%)	Condition (Structure, Health)	Observations	Recommendation	TPZ (m)
10319	Douglas-Fir *(Pseudotsuga menziesii)*	35	~3.0	90	M, M	Forest-grown. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0/ DL**
10320	Douglas-Fir *(Pseudotsuga menziesii)*	46	~6.0	90	M, G	Shared canopy. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**6.0/ DL**
10321	Douglas-Fir *(Pseudotsuga menziesii)*	30	~3.0	90	M, M	Forest-grown. Shaded. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0/ DL**
10322	Douglas-Fir *(Pseudotsuga menziesii)*	51	~6.0	90	M, G	Slightly phototropic. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**6.0/ DL**
10323	Douglas-Fir *(Pseudotsuga menziesii)*	46	~6.0	90	M, MG	Phototropic. Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**6.0/ DL**
10324	Douglas-Fir *(Pseudotsuga menziesii)*	40	~4.0	95	MG, MG	Foliage appears healthy. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**4.0/ DL**
10325	Douglas-Fir *(Pseudotsuga menziesii)*	~50	~3.5	65	M, MG	Growing as part of a group. Heavy blackberry at the base prevented thorough assessment.	**Retain**	**3.5**
10326	Douglas-Fir *(Pseudotsuga menziesii)*	~50	~3.0	60	M, M	Growing as part of a group. Heavy blackberry at the base prevented thorough assessment.	**Retain**	**3.5**
10327	Douglas-Fir *(Pseudotsuga menziesii)*	~60	~3.0	60	P, P	Growing as part of a group. Heavy blackberry at the base prevented thorough assessment. Tree expected to be impacted by the construction of proposed access road and not suitable for retention or design modifications. Declining top.	**Remove** due to condition and to accommodate construction.	**4.0**

Table 1 - Tree Evaluation: 1057 Gibson Way, Town of Gibson, BC

Tree #	Type	DBH (cm)	Dripline /DL (m)	LCR (%)	Condition (Structure, Health)	Observations	Recommendation	TPZ (m)
10328	Douglas-Fir *(Pseudotsuga menziesii)*	~65	~3.5	70	M, M	Growing as part of a group. Heavy blackberry at the base prevented thorough assessment. Declining top. Tree expected to be impacted by the construction of proposed retaining wall and not suitable for long term retention or design modifications.	**Remove** to accommodate construction.	**4.5**
10329	Douglas-Fir *(Pseudotsuga menziesii)*	45	~6.0	70	M, MG	Topped previously. J-shaped stem. Limb locked.	**Retain**	**3.0**
10330	Douglas-Fir *(Pseudotsuga menziesii)*	18/13	~2.0	60	MP, M	Two stems attached at the base. One stem is dead with shedding bark.	**Remove** due to structure.	**2.5**
10331	Douglas-Fir *(Pseudotsuga menziesii)*	53	~2.5	60	M, MG	Slight j-shaped stem. Growing as part of a group. Boulders around the trunk.	**Retain**	**3.5**
10332	Douglas-Fir *(Pseudotsuga menziesii)*	33	~2.5	40	M, M	Boulders placed around the trunk. Limb locked. High canopy.	**Retain**	**2.5**
10333	Douglas-Fir *(Pseudotsuga menziesii)*	61	~3.5	50	MG, MG	Growing as part of a group. High phototropic canopy. Tree expected to be impacted by the construction of retaining wall.	**Remove** to accommodate construction.	**4.0**
10334	Douglas-Fir *(Pseudotsuga menziesii)*	59	~3.5	50	MG, MG	Growing on a slope. High phototropic canopy. Asymmetrical crown to the west due to competition. Tree expected to be impacted by the construction of retaining wall.	**Remove** to accommodate construction.	**4.0**

Table 1 - Tree Evaluation: 1057 Gibson Way, Town of Gibson, BC

Tree #	Type	DBH (cm)	Dripline /DL (m)	LCR (%)	Condition (Structure, Health)	Observations	Recommendation	TPZ (m)
10335	Red Alder *(Alnus rubra)*	44/30/30	~4.5	NA	M, M	Three stems at the base with wide angle of attachment. Lean to the north. Asymmetrical crown due to competition. Growing on a slope. Tree expected to be impacted by the construction of proposed access road and retaining wall.	**Remove** to accommodate construction.	**5.0**
10336	Red Alder *(Alnus rubra)*	41	~4.5	NA	MG, M	Medium crown density. Slight sweep. Tree conflicts with proposed construction.	**Remove** to accommodate construction.	**3.0**
OS1/ 3708	Western Redcedar *(Thuja plicata)*	~55	~4.0	98	M, G	Co-dominant stems. Healthy foliage.	**Retain**	**4.0/ DL**
OS2/ 3707	Western Redcedar *(Thuja plicata)*	~60	~4.0	98	M, G	Co-dominant stems. Healthy foliage.	**Retain**	**4.0/ DL**
OS3/ 3706	Western Redcedar (Thuja plicata)	~40	~3.0	98	M, G	Co-dominant stems. Healthy foliage.	**Retain**	**3.0/ DL**

ADDITIONAL RECOMMENDATIONS

- **In order to prevent root damage, which may adversely affect the health and or stability of the retained trees, any ground disturbance or grade alteration within the recommended Tree Protection Zone provided in the table above shall be under the direction of the project arborist.**
- **Permission from the registered owner(s) is required prior to the removal of all offsite and shared trees regardless of their size.**

Note: Location is approximate for all non-surveyed trees. 'C' refers to a city owned tree.

Figure 1: Subject site.

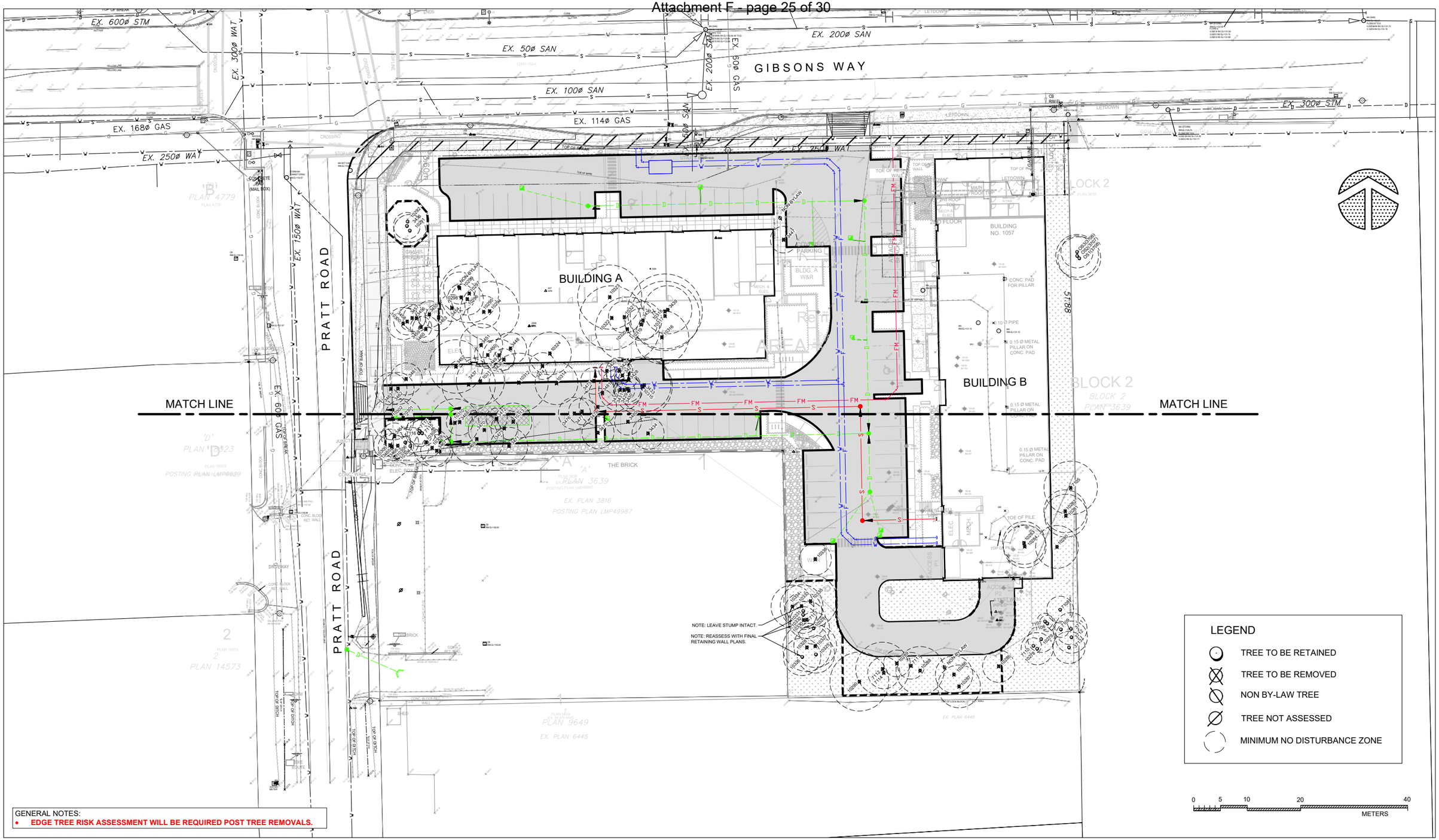
Figure 2: Trees 3446 & 3447 – left to right.

Figure 3: Trees along east property line.

Figure 4: Tree 7114 targeting neighbour's property to the south – remove to mitigate risk.

Figure 5: Tree 10290 – note broken top.

Figure 6: Partially failed Douglas-fir.



GENERAL NOTES:
- **EDGE TREE RISK ASSESSMENT WILL BE REQUIRED POST TREE REMOVALS.**

NO.	DATE	BY	REVISION	NO.	DATE	BY	REVISION
1	FEB13/23	MK	SITE PLAN	6	AUG17/23	MK	CIVIL PLAN
2	MAY18/23	MK	UPDATED SURVEY, SITE PLAN & CIVIL PLAN	2			
3	JUN28/23	MK	LANDSCAPE PLAN				
4	AUG08/23	MK	LANDSCAPE PLAN				
5	AUG14/23	MK	CIVIL PLAN				

MIKE FADUM AND ASSOCIATES LTD.
VEGETATION CONSULTANTS

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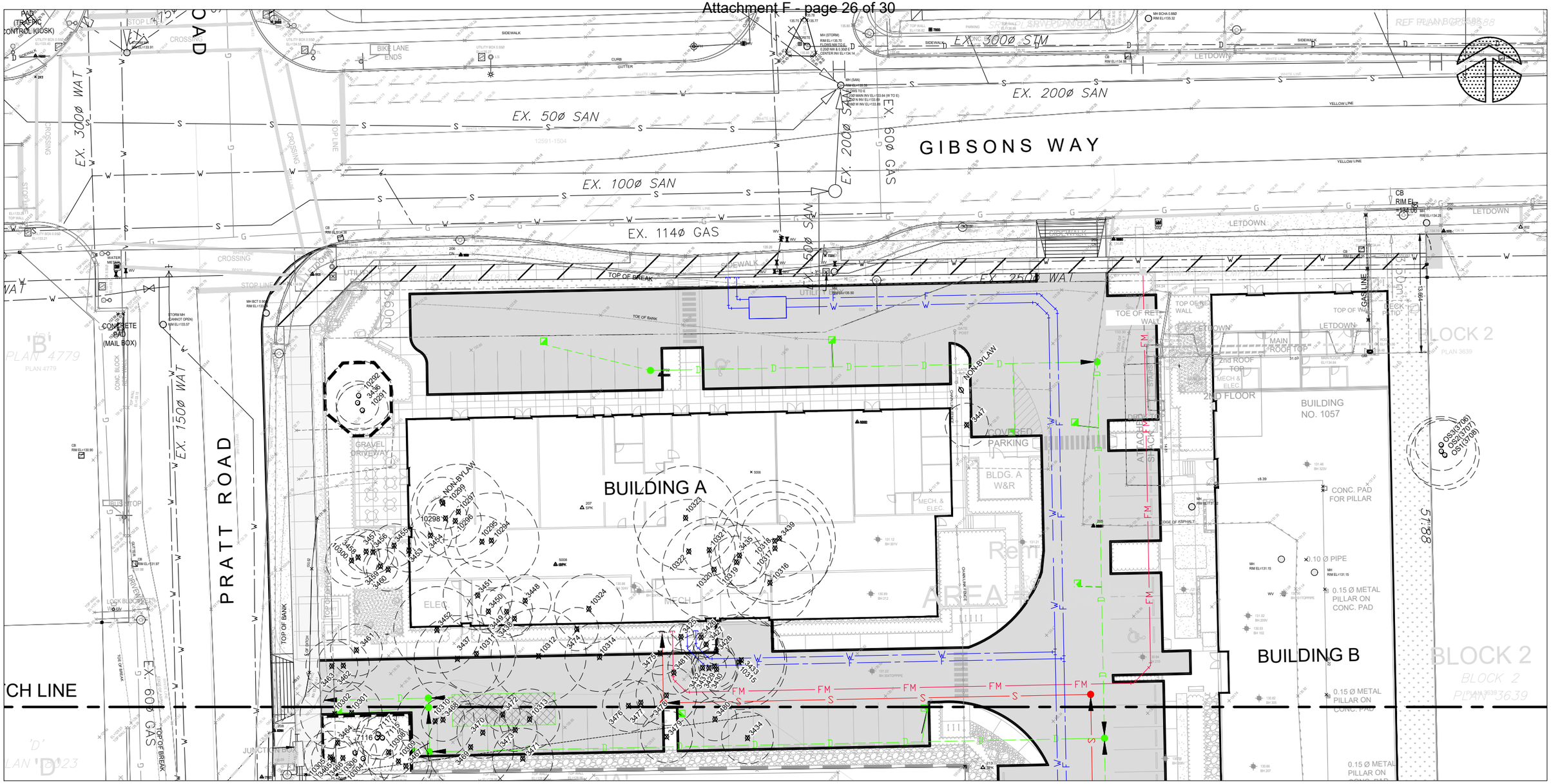
PROJECT TITLE
1057 GIBSONS WAY
TOWN OF GIBSONS
B.C.

SHEET TITLE
T1 - TREE REMOVAL AND PRESERVATION PLAN

CLIENT

DRAWN MK
SCALE AS SHOWN
DATE NOVEMBER 03, 2022

T-1
SHEET 1 OF 6



LEGEND

- TREE TO BE RETAINED
- TREE TO BE REMOVED
- NON BY-LAW TREE
- TREE NOT ASSESSED
- MINIMUM NO DISTURBANCE ZONE

0 5 10 20 METERS

GENERAL NOTES:

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SHEET TITLE
T1A - TREE REMOVAL AND PRESERVATION PLAN-NORTH

CLIENT

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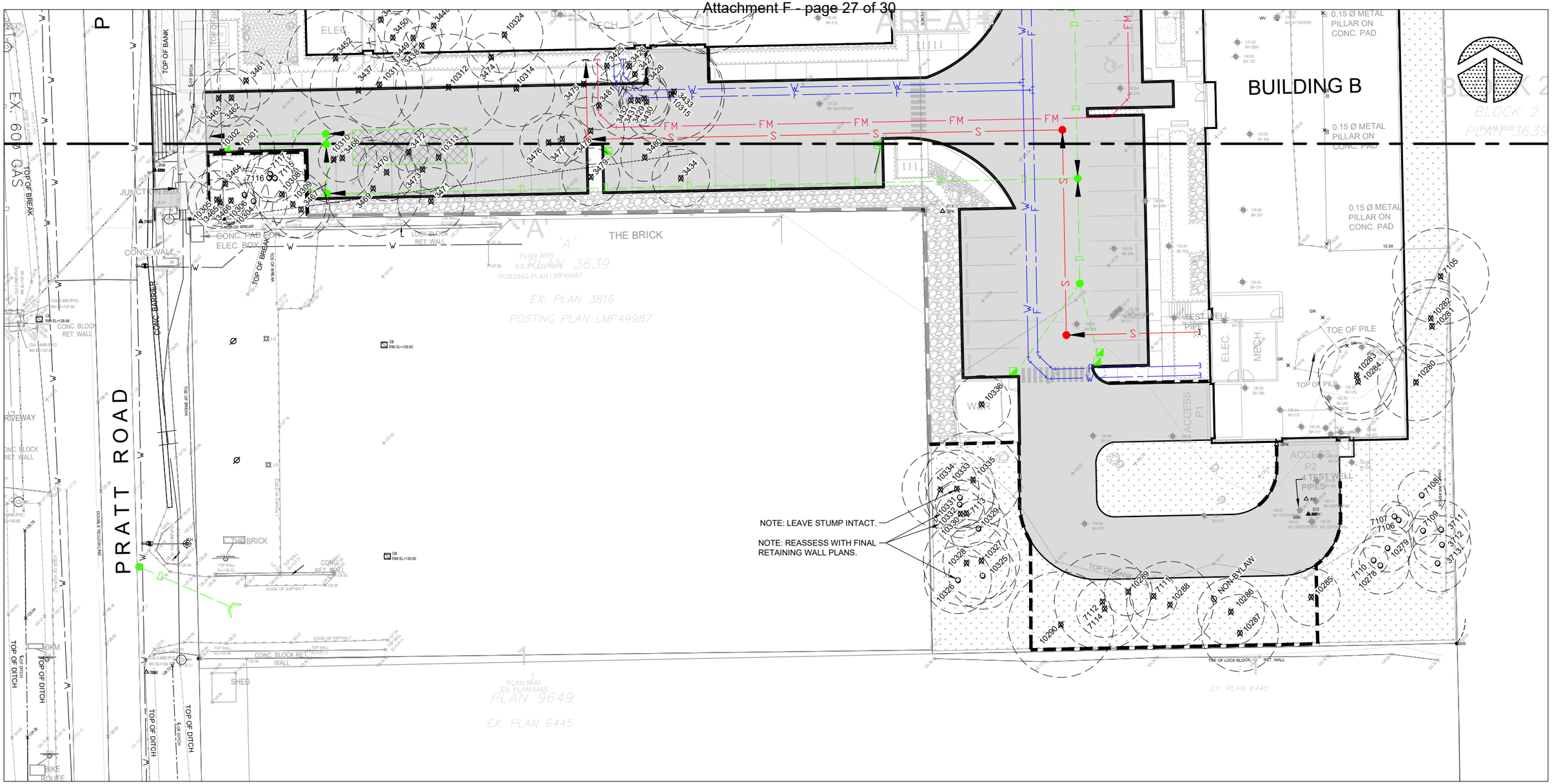
DATE NOVEMBER 03, 2022

T-1A
SHEET 2 OF 6



LEGEND

- TREE TO BE RETAINED
- TREE TO BE REMOVED
- NON BY-LAW TREE
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- MINIMUM NO DISTURBANCE ZONE

0 5 10 20 METERS

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SHEET TITLE
T1B - TREE REMOVAL AND PRESERVATION PLAN-SOUTH

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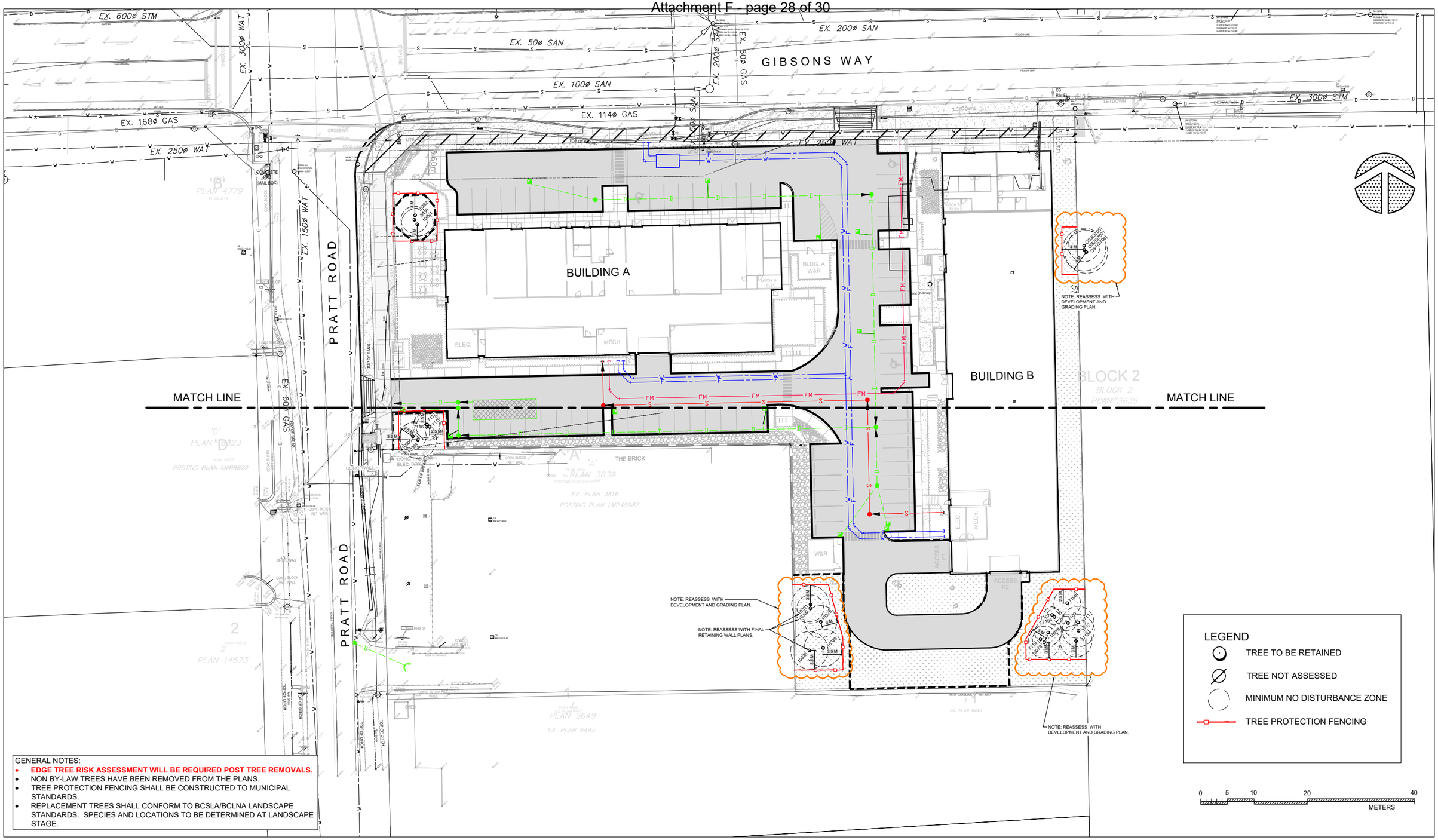
T-1B
SHEET 3 OF 6



GENERAL NOTES:

- **EDGE TREE RISK ASSESSMENT WILL BE REQUIRED POST TREE REMOVALS.**
- NON BY-LAW TREES HAVE BEEN REMOVED FROM THE PLANS.
- TREE PROTECTION FENCING SHALL BE CONSTRUCTED TO MUNICIPAL STANDARDS.
- REPLACEMENT TREES SHALL CONFORM TO BCSLA/BCLNA LANDSCAPE STANDARDS. SPECIES AND LOCATIONS TO BE DETERMINED AT LANDSCAPE STAGE.

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SHEET TITLE
T2 - TREE PRESERVATION AND PROTECTION PLAN

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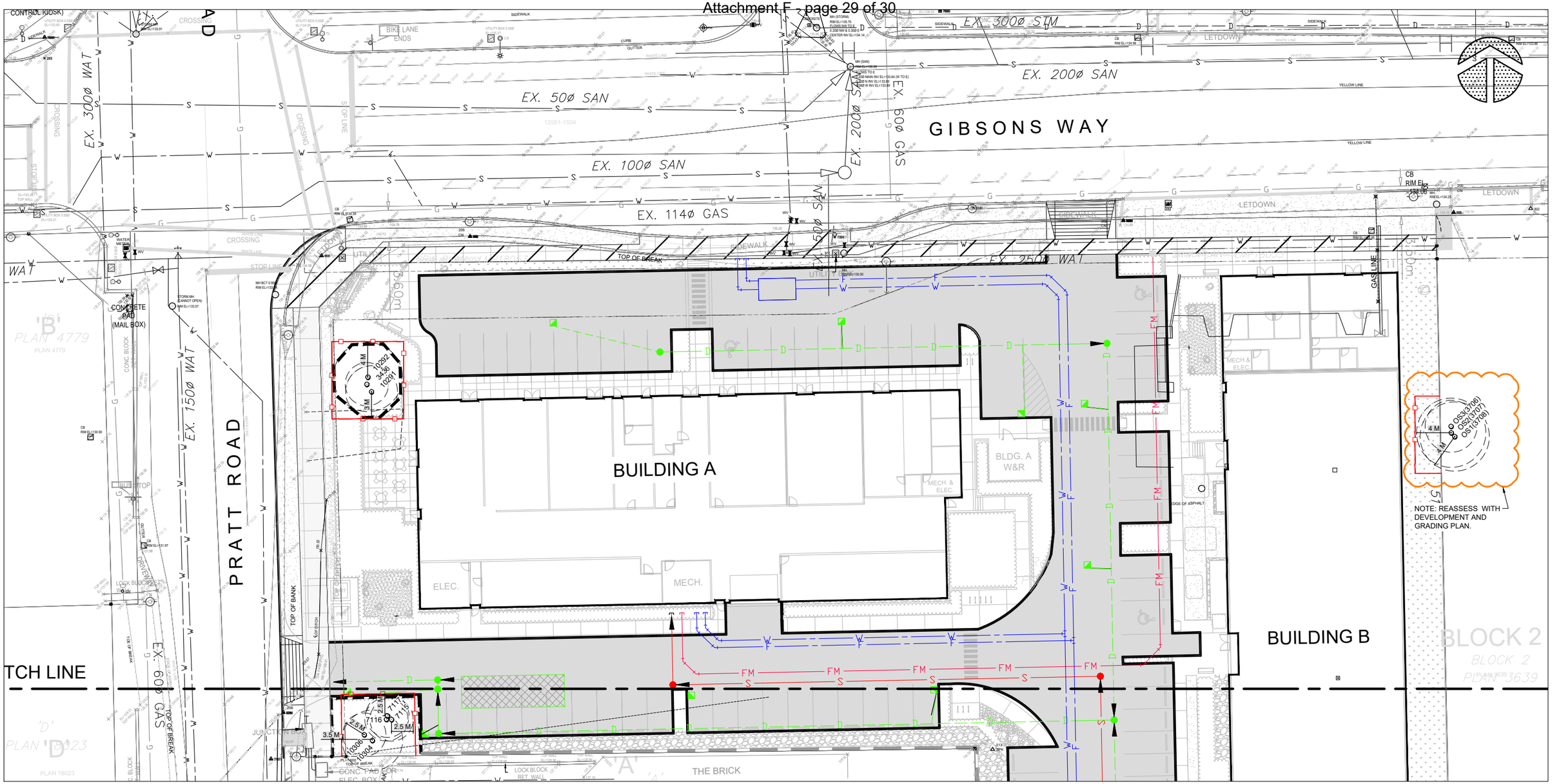
T-2
SHEET 4 OF 6



LEGEND

- TREE TO BE RETAINED
- TREE PROTECTION FENCING
- MINIMUM NO DISTURBANCE ZONE
- TREE NOT ASSESSED

0 5 10 20 METERS

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SHEET TITLE
T2A - TREE PROTECTION AND PRESERVATION PLAN-NORTH

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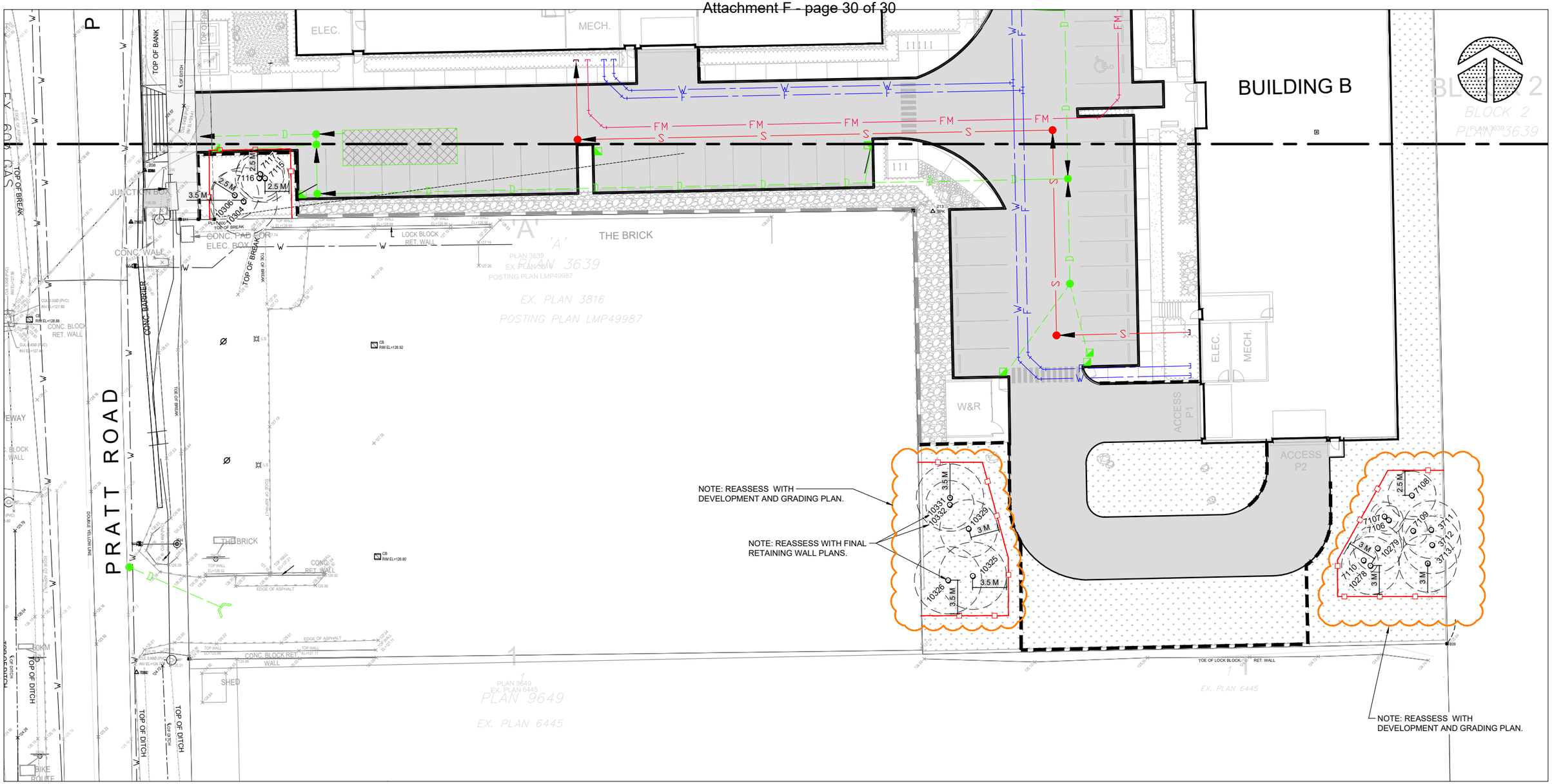
SHEET 5 OF 6



LEGEND

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- TREE PROTECTION FENCING
- MINIMUM NO DISTURBANCE ZONE
- TREE NOT ASSESSED

0 5 10 20 METERS

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T2B - TREE PROTECTION AND PRESERVATION PLAN-SOUTH

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T-2B
SHEET 6 OF 6