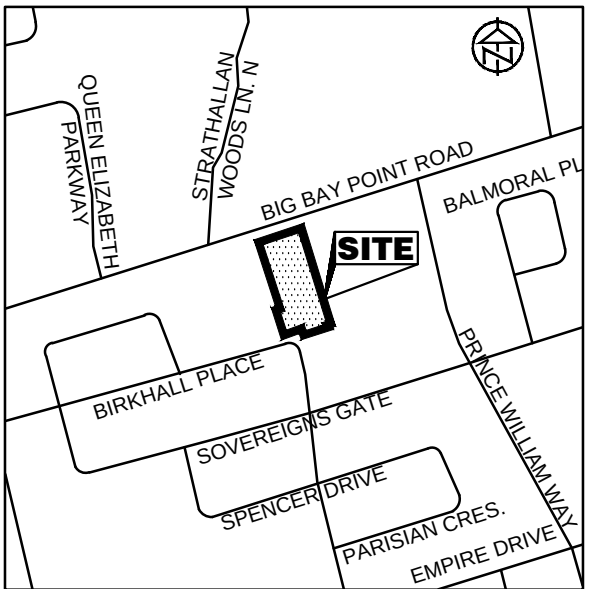


NOTES

1. THE CONTRACTOR IS ADVISED THAT SILTATION CONTROL FENCING ALONG TREE PRESERVATION ZONES SHALL ALSO SERVE AS TREE PRESERVATION FENCING AND IS SUBJECT TO ALL THE LAYOUT REQUIREMENTS, TREE PRESERVATION AREA SIGNAGE REQUIREMENTS, AND CONSTRUCTION RESTRICTIONS AS SPECIFIED FOR THE TREE PROTECTION FENCING.
2. FOR TREE INVENTORY AND ASSESSMENT SEE TABLE 1 ON TP-2
3. FOR TREE PROTECTION AND REMOVAL NOTES AND DETAILS REFER TO LD-1

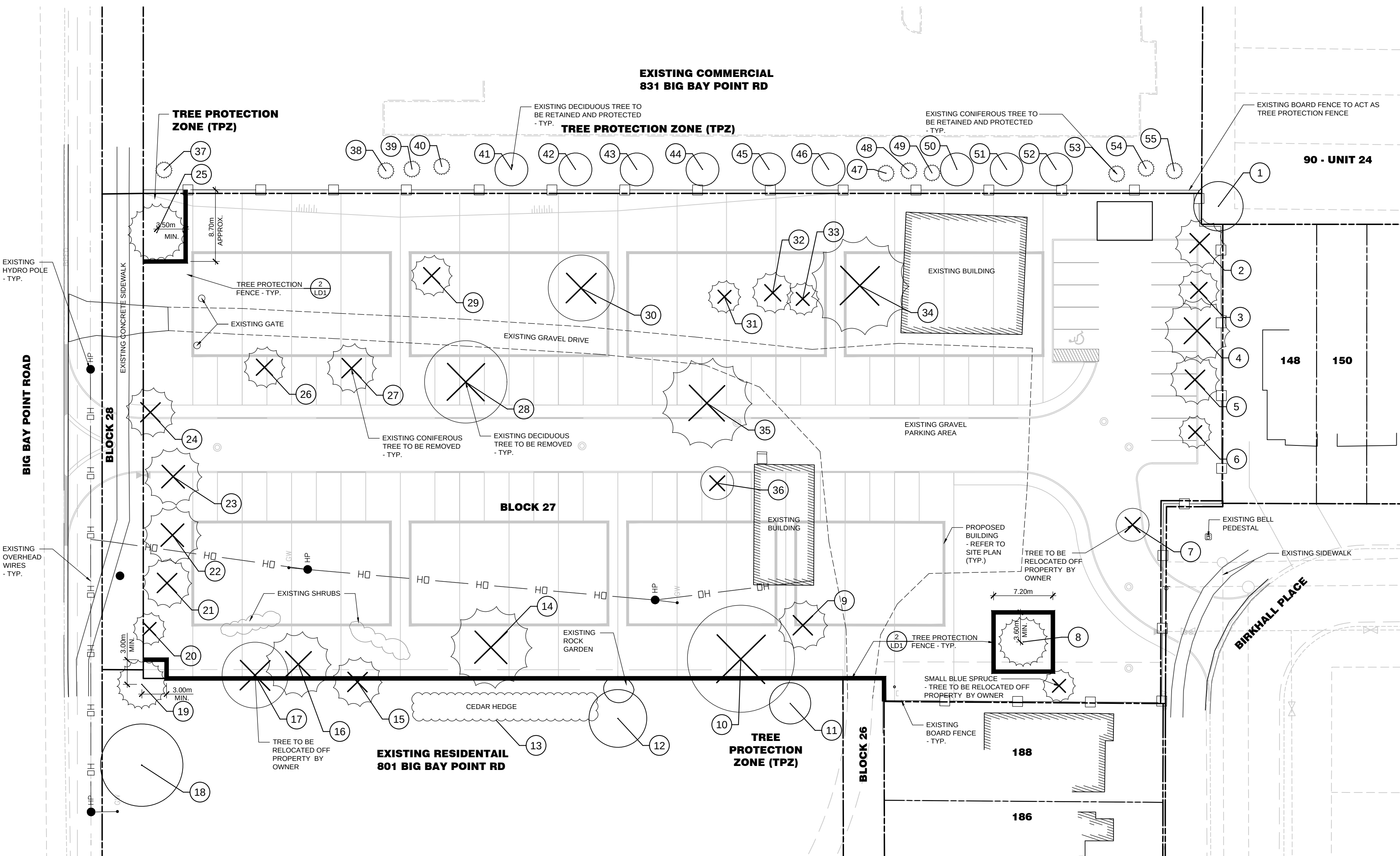


KEY PLAN

NTS

LEGEND

- PROPERTY BOUNDARY
- LOT BOUNDARY
- TREE PROTECTION FENCE
- EXISTING WOOD FENCE
- EXISTING OVERHEAD WIRES
- EXISTING HYDRO POLE
- EXISTING BELL PEDESTAL
- EXISTING MANHOLE
- EXISTING DECIDUOUS TREE TO BE REMOVED
- EXISTING CONIFEROUS TREE TO BE REMOVED
- EXISTING DECIDUOUS TREE TO BE RETAINED AND PROTECTED
- EXISTING CONIFEROUS TREE TO BE RETAINED AND PROTECTED
- TREE ID. NUMBER



CONTRACT DRAWINGS

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NOTES

1. BASE PLAN PREPARED BY PEARSON ENGINEERING LTD. (JULY, 2020).
2. ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED.

1.	FIRST SUBMISSION	SEPT. 18/20	AB	
NO.	REVISIONS	DATE	INITIAL	

APPROVED



821 BIG BAY POINT ROAD
RESIDENTIAL DEVELOPMENT
CITY OF BARRIE

TREE PRESERVATION PLAN

ENVISIONTATHAM

115 Sandford Fleming Drive,
Suite 200, Collingwood,
ON L9Y 5A6
Tel. 705-445-0422
inquiry@envision-tatham.com

SCALE: 1:300

DESIGN: AB

DRAWN: EB / AL

CHECKED: AB

DATE: SEPT. 10, 2020

JOB NO. ET120017

DWG. TP-1

Tree ID No.	Species	Common Name	dbh (mm)	canopy (m)	OBSERVATIONS			Additional Comments	Rating	Recommendation
					Base	Trunk	Canopy			
1	Populus tremuloides	Trembling Aspen	200	3				Private property, multi-stem	Good	Retain
2	Pinus nigra	Austrian Pine	150	3	buried trunk flare;			2.5 m from property boundary	Good	Remove
3	Pinus nigra	Austrian Pine	180	2.5	buried trunk flare;				Good	Remove
4	Pinus nigra	Austrian Pine	150, 150	4	buried trunk flare;		codominant;		Good	Remove
5	Pinus nigra	Austrian Pine	180	3	buried trunk flare;				Good	Remove
6	Pinus nigra	Austrian Pine	100, 75	2			codominant;	Broad but not tall	Good	Remove
7	Acer saccharum	Sugar Maple	214	2			codominant; included bark;	Columnnar, vertical split 1.0m on one branch with vigorous woundwood	Fair	Remove
8	Picea pungens	Colorado Spruce	300	3					Good	Retain
9	Picea glauca	White Spruce	75	2					Good	Remove
10	Quercus rubra	Red Oak	593	6.5			gypsy moth;		Good	Remove
11	Malus sp.	Crabapple	75	2.5			codominant;		Good	Retain
12	Ginkgo biloba	Ginkgo	360	3.5	buried trunk flare;				Good	Retain
13	Thuja occidentalis	Eastern White Cedar	150	1.5					Good	Retain
14	Pinus nigra	Austrian Pine	414	5			codominant; included bark;		Good	Remove
15	Picea pungens	Colorado Spruce	396	3				Slight bow at base	Good	Remove
16	Picea pungens	Colorado Spruce	388	4				Trunk compressed at base, may be girdling root	Good	Remove
17	Acer platanoides	Norway Maple	234	4			codominant;	Spiral crack 1.5m long in trunk, crotch missing bark and decay may be forming	Fair	Remove
18	Quercus rubra	Red Oak	540	5	vigorous woundwood;	30-50cm mechanical injury;	gypsy moth;		Good	Retain
19	Picea pungens	Colorado Spruce	250	3					Good	Retain
20	Picea pungens	Colorado Spruce	200	2			needle cast disease; lower canopy thinning;		Fair	Remove
21	Picea pungens	Colorado Spruce	250	3			needle cast disease; lower canopy thinning;		Fair	Remove
22	Picea pungens	Colorado Spruce	200	3.5			needle cast disease; lower canopy thinning;		Fair	Remove
23	Picea pungens	Colorado Spruce	250	3.5			needle cast disease; lower canopy thinning;		Fair	Remove
24	Picea pungens	Colorado Spruce	300	3				Pruned where overhanging sidewalk	Good	Remove
25	Picea pungens	Colorado Spruce	400	3.5				Pruned where overhanging sidewalk	Good	Retain
26	Pinus nigra	Austrian Pine	208	2.5			codominant;	Limbed up	Good	Remove
27	Pinus nigra	Austrian Pine	200	3			codominant;		Good	Remove
28	Acer platanoides	Norway Maple	352	5		suspected girdling root; asymmetrical trunk;	tar spot;	Spiral crack but well healed	Good	Remove
29	Pinus nigra	Austrian Pine	100, 80	2.5			codominant;		Good	Remove
30	Acer platanoides	Norway Maple	330	4	vigorous woundwood;	significant mechanical injury;	codominant; included bark; tar spot;	Spiral crack, large (50cm x 40cm) historical injury at base nearly covered in bark	Fair	Remove
31	Pinus nigra	Austrian Pine	50	2					Good	Remove
32	Pinus sylvestris	Scots Pine	175	2.5	buried trunk flare;			Limbed up	Good	Remove
33	Pinus sylvestris	Scots Pine	147	2	buried trunk flare;			Limbed up	Good	Remove
34	Pinus nigra	Austrian Pine	568	6				Recent pruning, vehicles and materials stored near base, broad tree	Good	Remove
35	Picea pungens	Colorado Spruce	496	5.5			codominant; needle cast disease;	Limbed up	Good	Remove
36	Malus sp.	Crabapple	75,50	2	woundwood but injury not closed;	5-10cm mechanical injury;	codominant;		Good	Remove
37	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
38	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
39	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
40	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
41	Acer x freemanii	Freeman Maple	60	2				Private property	Good	Retain
42	Acer x freemanii	Freeman Maple	60	2				Private property	Good	Retain
43	Acer x freemanii	Freeman Maple	60	2				Private property	Good	Retain
44	Acer x freemanii	Freeman Maple	60	2				Private property	Good	Retain
45	Acer x freemanii	Freeman Maple	60	2				Private property	Good	Retain
46	Acer x freemanii	Freeman Maple	60	2				Private property	Good	Retain
47	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
48	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
49	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
50	Quercus palustris	Pin Oak	60	2				Private property	Good	Retain
51	Quercus palustris	Pin Oak	60	2				Private property	Good	Retain
52	Quercus palustris	Pin Oak	60	2				Private property	Good	Retain
53	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
54	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain
55	Picea pungens	Colorado Spruce	60	1				Private property	Good	Retain

NOTES

- TREES WERE INVENTORIED AND VISUALLY ASSESSED FOR GENERAL HEALTH ON AUGUST 26, 2020.
- THE RATING OF THE TREE DOES NOT CONSTITUTE A GUARANTEE OF THE LONGEVITY OF THE TREE.
- AT THE TIME OF CONSTRUCTION, ALL TREES TO BE REMOVED SHALL BE MARKED BY THE CONTRACTOR AND CONFIRMED BY THE CONTRACT ADMINISTRATOR PRIOR TO REMOVAL. SEE NOTES ON DRAWING LD-1.

CONTRACT DRAWINGS

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APPROVED



821 BIG BAY POINT ROAD
RESIDENTIAL DEVELOPMENT
CITY OF BARRIE

TREE INVENTORY

ENVISIONTATHAM

115 Sandford Fleming Drive,
Suite 200, Collingwood,
ON L9Y 5A6
Tel. 705-445-0422
inquiry@envision-tatham.com

SCALE: 1:300

JOB NO. ET120017

DESIGN: AB

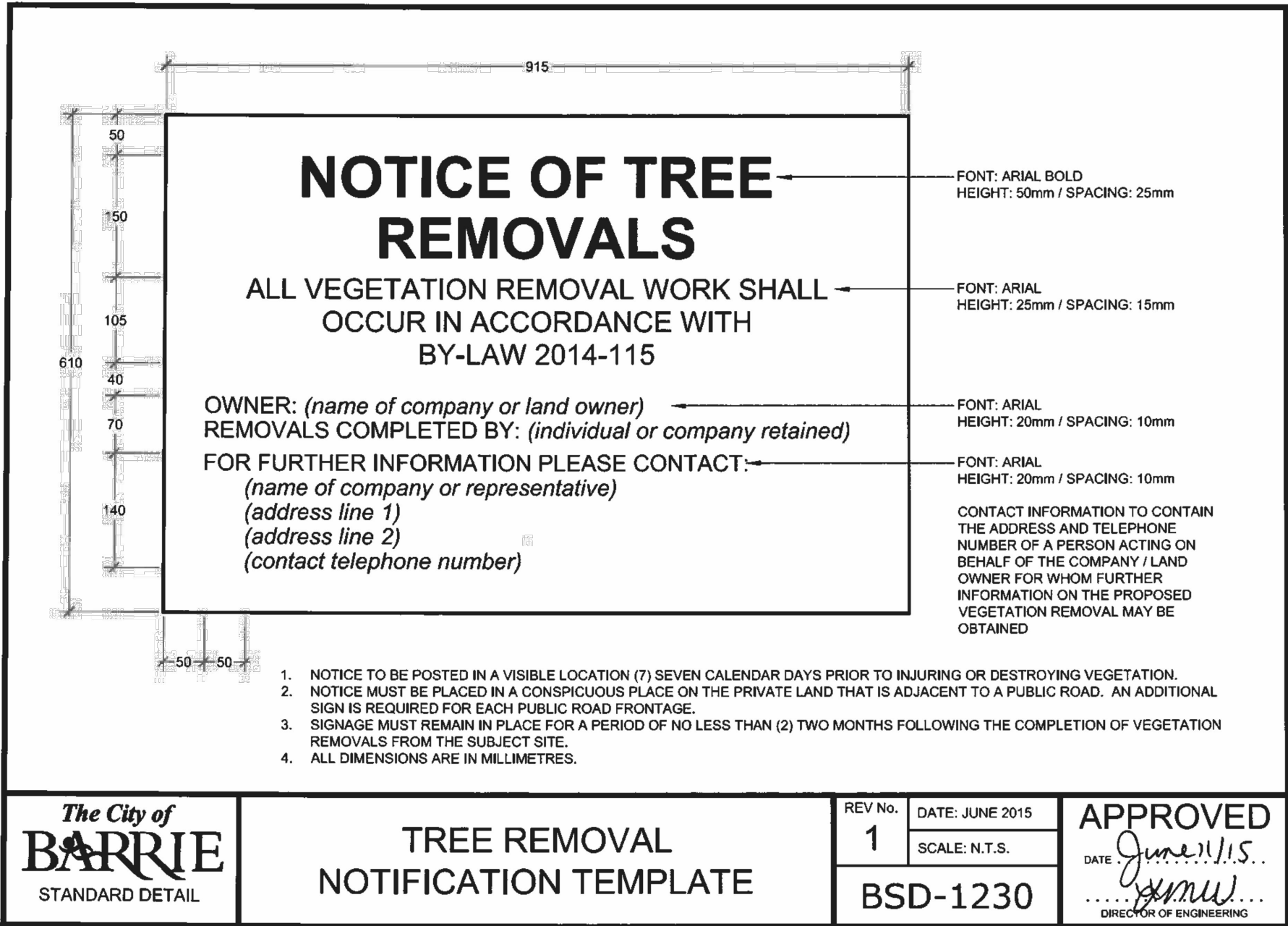
CHECKED: AB

DRAWN: EB / AL

DATE: SEPT. 10, 2020

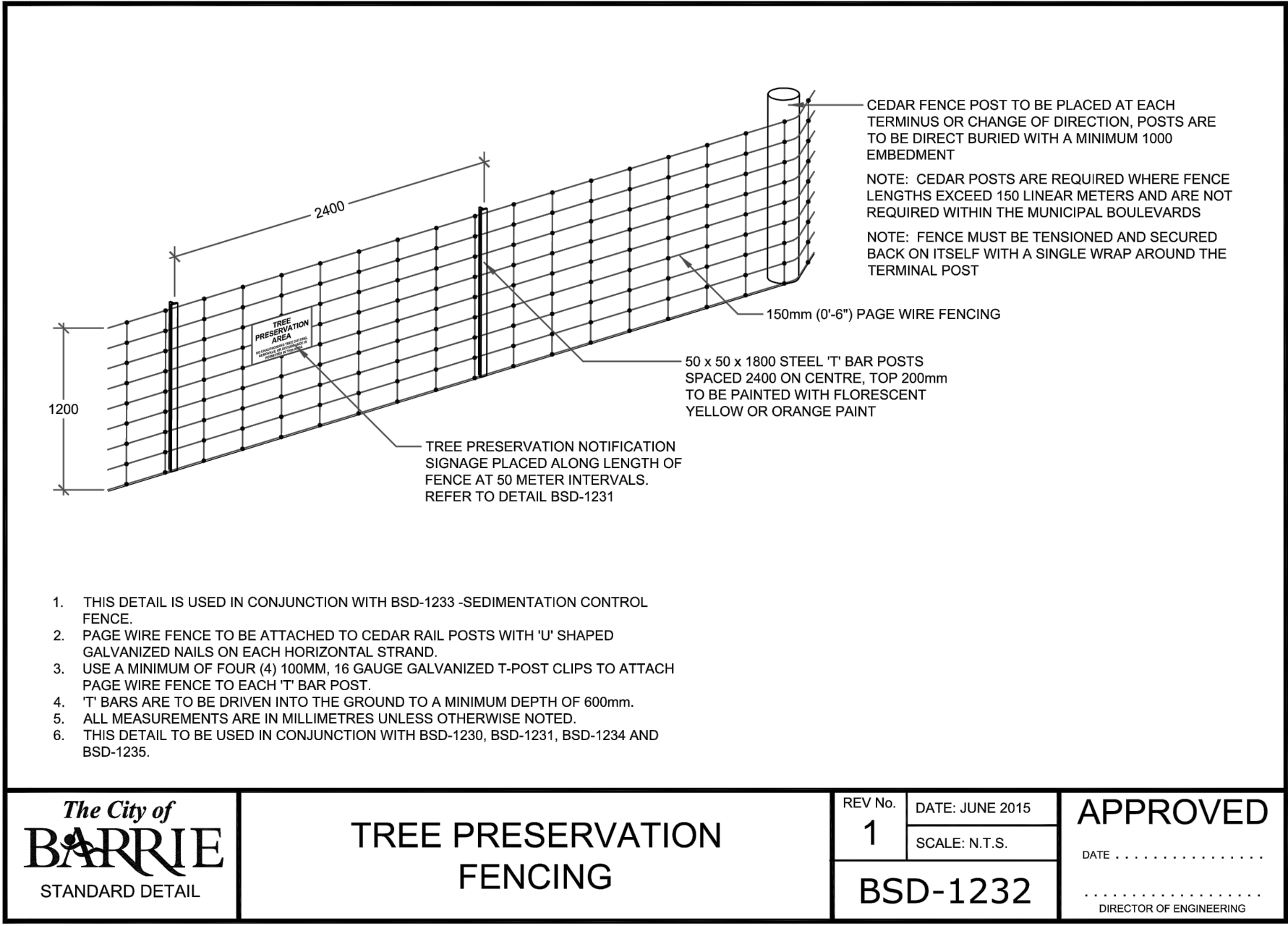
DWG.

TP-2



1 LD1 TREE REMOVAL NOTIFICATION SIGNAGE

NTS



2 LD1 TREE PROTECTION FENCE

NTS



3 LD1 TREE PROTECTION FENCE SIGNAGE

NTS

NOTES

1.0 SILTATION CONTROL FENCING

- SILTATION CONTROL FENCING SHALL BE IN ACCORDANCE WITH THE ENGINEERING DRAWINGS AND THE CITY OF BARRIE STANDARDS.
- THE CONTRACTOR IS ADVISED THAT SILTATION CONTROL FENCING ALONG TREE PRESERVATION ZONES SHALL ALSO SERVE AS TREE PRESERVATION FENCING AND IS SUBJECT TO ALL THE LAYOUT REQUIREMENTS, TREE PRESERVATION AREA SIGNAGE REQUIREMENTS, AND CONSTRUCTION RESTRICTIONS AS SPECIFIED FOR THE TREE PROTECTION FENCING.

2.0 TREE PROTECTION

- TREE REMOVALS CAN OCCUR NO SOONER THAN SEVEN (7) DAYS AFTER THE TREE REMOVAL NOTIFICATION SIGN (BSD-1230) IS ERECTED (DETAIL 1/LD1).
- TREE PRESERVATION AREA SIGNAGE SHALL CONFORM TO BSD-1231 TREE PRESERVATION AREA TEMPLATE (DETAIL 3/LD1) AND IS TO BE POSTED AS DESCRIBED ON BSD-1232 TREE PRESERVATION FENCING (DETAIL 2/LD1).
- TREE PRESERVATION FENCING SHALL CONFORM TO BSD-1232 TREE PRESERVATION FENCING (DETAIL 2/LD1). INSTALL TREE PRESERVATION FENCING IN LOCATIONS INDICATED IN CONTRACT DRAWINGS.
- WHERE POSSIBLE, TREE PRESERVATION FENCING LOCATION TO BE AT OR OUTSIDE THE DRIPLINE OF PROTECTED TREES, WHICH IS DEFINED AS THE CIRCLE THAT COULD BE DRAWN ON THE SOIL AROUND A TREE DIRECTLY UNDER THE TIPS OF ITS OUTERMOST AND WIDEST BRANCHES.
- LOCATION OF TREE PRESERVATION FENCING SHALL BE CONFIRMED ON-SITE BY THE CITY OF BARRIE PRIOR TO COMMENCING TREE CLEARING OPERATIONS.
- THE AREA DIRECTLY BEHIND THE TREE PRESERVATION FENCING SHALL BE DESIGNATED A TREE PROTECTION ZONE (T.P.Z.)
- FOR EXISTING VEGETATION TO REMAIN: PROTECT VEGETATION AND ROOT SYSTEMS FROM DAMAGE, COMPACTION AND CONTAMINATION RESULTING FROM CONSTRUCTION.
- NO CONSTRUCTION ACTIVITY, INCLUDING GRADE CHANGES, SURFACE TREATMENTS, OR EXCAVATIONS OF ANY KIND ARE PERMITTED WITHIN THE T.P.Z. UNLESS OTHERWISE INDICATED AND APPROVED BY THE CITY OF BARRIE.
- NO ROOT CUTTING, NO STORAGE OF MATERIALS OR FILL, AND NO MOVEMENT OR STORAGE OF VEHICLES IS PERMITTED WITHIN THIS AREA.
- KEEP THE ENCLOSED FENCE AREA FREE OF CONSTRUCTION MATERIAL AND DEBRIS.
- FENCE BARRIERS MUST REMAIN IN EFFECTIVE CONDITION UNTIL ALL SITE ACTIVITIES INCLUDING LANDSCAPING ARE COMPLETED.
- CONTRACTOR SHALL REMOVE TREE PRESERVATION FENCING AT THE COMPLETION OF THE SITE WORKS FOLLOWING WRITTEN APPROVAL BY THE CITY OF BARRIE.

3.0 TREE REMOVALS

- TREE REMOVALS MUST CONFORM WITH THE REQUIREMENTS OF THE MIGRATORY BIRDS CONVENTION ACT, THE FISH AND WILDLIFE CONSERVATION ACT, AND LOCAL BY-LAWS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WOOD, STUMPS, AND BRUSH FROM TREE REMOVAL OPERATIONS OFFSITE.
- FELLING LINES ARE TO ALLOW TREES TO FALL WITHOUT IMPACTING EXISTING STRUCTURES, FEATURES, OR BRANCHES AND TRUNKS OF TREES TO REMAIN.
- SHOULD A CLEAR FELLING LINE NOT EXIST, THE TREE SHOULD BE CUT INCREMENTALLY FROM TOP TO BOTTOM AND LOWERED TO THE GROUND WITH ROPES.
- THIS WORK SHOULD BE UNDERTAKEN BY A QUALIFIED TREE WORKER WITH APPROPRIATE INSURANCE COVERAGE FOR THIS TASK.

4.0 CONSTRUCTION SEQUENCING

CONSTRUCTION SEQUENCING SHALL OCCUR IN THIS ORDER:

- NOTICE OF TREE REMOVALS SIGNAGE SHALL BE POSTED AS DESCRIBED IN NOTE 1, SECTION 2, TREE PROTECTION.
- THE LOCATION OF THE TREE PRESERVATION AND SILATION CONTROL FENCING SHALL BE STAKED ONSITE BY THE CONTRACTOR AND REVIEWED AND APPROVED BY THE CITY OF BARRIE.
- THE CONTRACTOR SHALL PROCEED WITH TREE REMOVALS WITHIN THE TREE PROTECTION ZONE, AS SPECIFIED.
- THE CONTRACTOR SHALL ERECT THE TREE PRESERVATION FENCING AND SILTATION CONTROL FENCING IN CONFORMANCE WITH THE CONTRACT DRAWINGS.
- ONCE THE FENCING IS APPROVED BY THE CITY OF BARRIE, CLEARING AND GRUBBING OF THE WORK AREA MAY BEGIN.
- REMOVE TREE PROTECTION FENCING AS PER NOTES 11 AND 12, SECTION 2, TREE PROTECTION.

CONTRACT DRAWINGS

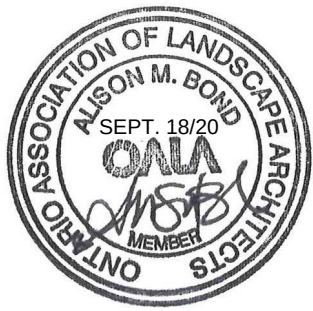
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NOTES

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APPROVED



**821 BIG BAY POINT ROAD
RESIDENTIAL DEVELOPMENT
CITY OF BARRIE**

LANDSCAPE DETAILS

ENVISIONTATHAM

115 Sandford Fleming Drive,
Suite 200, Collingwood,
ON L9Y 5A6
Tel. 705-445-0422
inquiry@envision-tatham.com

SCALE: AS SHOWN

JOB NO. ET120017

DESIGN: AB

CHECKED: AB

DWG. **LD-1**

DRAWN: AL

DATE: SEPT. 10, 2020

1.	FIRST SUBMISSION	SEPT. 18/20	AB	
NO.	REVISIONS	DATE	INITIAL	