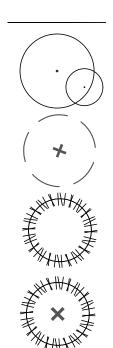


# LEGEND:



PROPERTY LINE

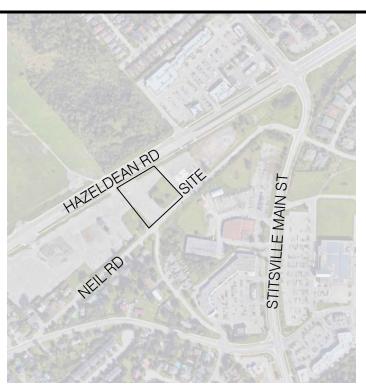
EXISTING DECIDUOUS TREE TO REMAIN

EXISTING DECIDUOUS TREE TO BE REMOVED

EXISTING CONIFEROUS TREE TO REMAIN

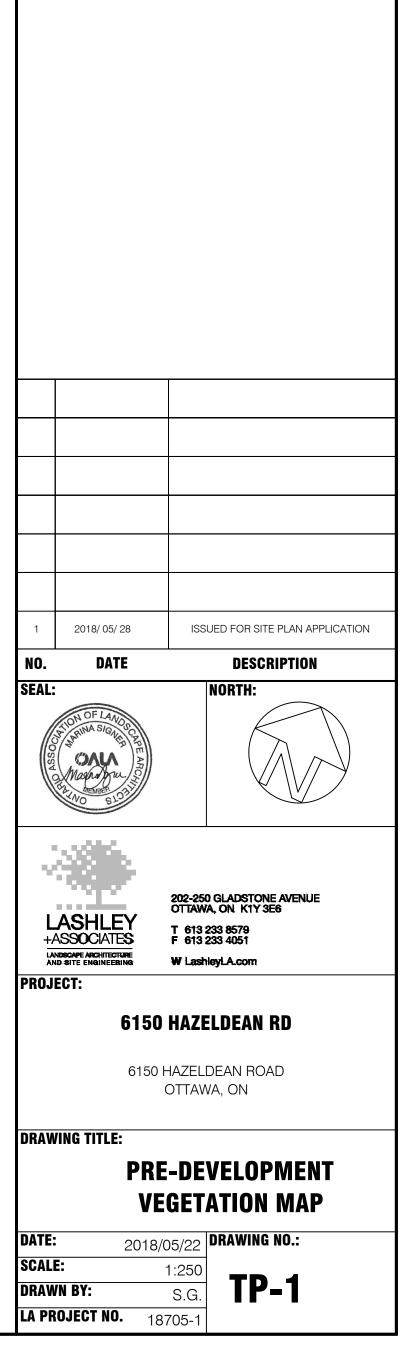
EXISTING CONIFEROUS TREE TO BE REMOVED

NO.	TREE SPECIES	DBH	CONDITION	COMMENTS
01	Apple/Malus spp	22,23,26cm	Fair	
02	Balsam Fir/ Abies balsamea	33cm	Poor	
03	Balsam Fir/ Abies balsamea	26cm	Fair	
04	Balsam Fir/ Abies balsamea	32cm	Poor	
05	Balsam Fir/ Abies balsamea	48cm	Fair	
06	Colorado Blue Spruce/ Picea pungens 'Glauca'	35cm	Good	Adjacent Private Property
7	Honey Locust/ <i>Gleditsia triacanthos</i>	50cm	Fair-Good	Adjacent City Property
8	Honey Locust/ <i>Gleditsia triacanthos</i>	50cm	Fair-Good	Adjacent City Property
9	Honey Locust/Gleditsia triacanthos	50cm	Fair-Good	Adjacent City Property
10	Tree Lilac/Syringa vulgaris	9cm	Good	Adjacent City Property
11	Tree Lilac/Syringa vulgaris	8cm	Good	Adjacent City Property
12	Maple/ Acer spp	10cm	Poor	Adjacent City Property
13	Maple/ Acer spp	10cm	Poor	Adjacent City Property
14	Maple/ Acer spp	10cm	Poor	Adjacent City Property
15	Burr Oak/ Quercus macrocarpa	6cm	Fair	Adjacent City Property
16	Burr Oak/ Quercus macrocarpa	6cm	Fair	Adjacent City Property
17	Red Oak/ Quercus ruba	7cm	Fair	Adjacent City Property
18	Red Oak/ Quercus ruba	7cm	Fair	Adjacent City Property
19	Red Oak/ <i>Quercus ruba</i>	7cm	Fair	Adjacent City Property
20	Crab Apple/ Malus spp	13,18,19cm	Fair	Suckers at base
21	Crab Apple/ Malus spp	25cm	Fair	
22	Crab Apple/ Malus spp	26cm	Fair	
23	Crab Apple/ Malus spp	15,20,22cm	Fair	3 Stems joined at 0.9m
24	Crab Apple/ Malus spp	18,20,26cm	Fair	



KEY MAP, NTS <u>GENERAL NOTES</u>

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  3. REPORT ANY DISCREPANCIES PRIOR TO
- COMMENCING WORK. NO RESPONSIBILITY IS BORN BY THE LANDSCAPE ARCHITECT FOR UNKNOWN SUBSURFACE CONDITIONS.
- 4. CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY ERRORS AND/OR OMISSIONS.
- 5. REINSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- DRAWING MAY NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY LANDSCAPE ARCHITECT AS ISSUED FOR CONSTRUCTION.
- THE ACCURACY OF THE POSITION OF UTILITIES IS NOT GUARANTEED.
   INDIVIDUAL UTILITY CO. MUST BE CONTACTED FOR
- INDIVIDUAL UTILITY CO. MUST BE CONTACTED FOR CONFIRMATION OF UTILITY EXISTENCE AND LOCATION PRIOR TO DIGGING.
   THIS DRAWING IS AN INSTRUMENT OF SERVICE
- AND REQUIRES THE PERMISSION OF THE LANDSCAPE ARCHITECT FOR USE. COPYRIGHT IS RESERVED BY LASHLEY+ASSOCIATES CORPORATION.





TREE PROTECTION FENCE \L1-1/



LANDSCAPE NOTES:

24 Crab Apple/ Malus spp

- 1. EXISTING VEGETATION, IN THE FORM OF TREES AND SHRUBS, SHALL BE PRESERVED AS NOTED. 2. REASONABLE MEASURES SHALL BE UNDERTAKEN TO LIMIT GROUND
- DISTURBANCE CAUSED BY HEAVY EQUIPMENT USAGE IN VICINITY OF PROPOSED LANDSCAPE. 3. PLANT MATERIAL SHALL BE NO.1 GRADE AND SHALL COMPLY WITH THE
- METRIC GUIDE SPECIFICATIONS FOR NURSERY STOCK (LATEST EDITION), PUBLISHED BY THE CANADIAN NURSERY TRADES ASSOCIATION. 4. PLANT MATERIALS SHALL BE INSTALLED USING ACCEPTABLE HORTICULTURAL PRACTICES AND PLANTING MATERIALS SHALL CONSIST OF HEALTHY NURSERY
- 5. PLANT SUBSTITUTIONS SHALL NOT BE PERMITTED UNLESS APPROVED BY THE LANDSCAPE ARCHITECT AND/OR THE TOWN OF PERTH.
- 6. NATIVE AND NON-INVASIVE, NURSERY-GROWN PLANT STOCK IS SPECIFIED HEREIN IN KEEPING WITH THE PRINCIPLES OF URBAN FORESTRY MANAGEMENT BEST PRACTICES AND SUPPLIED BY NURSERIES THAT SUPPORT SUSTAINABLE PRACTICES IN PLANT PRODUCTION.
- 7. PLANTS SHALL BE HANDLED WITH CARE SO AS NOT TO BREAK UP SOIL/ROOT CLODS OR BRANCHES.
- 8. ON SITE, ALL PLANTS SHOULD BE PROTECTED FROM SUN AND DRYING WINDS AND SHOULD BE WATERED FREQUENTLY UNTIL PLANTING. 9. PITS AND PLANTING BEDS SHOULD BE LOCATED ACCORDING TO THE DRAWINGS AND SHALL BE OF SUFFICIENT SIZE ACCORDING TO THE
- DETAILS PROVIDED. 10. ALL SURFACES OF PLANTING BEDS (PERENNIALS AND SHRUBS) AND SAUCERS FOR TREE PLANTING PITS WILL BE COVERED WITH 100mm DEPTH MULCH NATURAL CEDAR UNLESS NOTED OTHERWISE
- 1. THE PLANTING SOIL AND PLANTS SHALL BE AMENDED INDIVIDUALLY -DIRECTLY IN THE PLANTING HOLE WITH COMPOST, BONE MEAL AND MYCORRHIZAE (BENEFICIAL FUNGUS) ACCORDING TO MANUFACTURER RECOMMENDATIONS.
- 12. PLANTS SHOULD BE WATERED LESS THAN AN HOUR AFTER PLANTING AND AGAIN WITHIN 24 HOURS.
- 13. ALL DECIDUOUS TREES SHALL BE PROTECTED AGAINST RODENTS WITH AN EXPANDABLE POLYETHYLENE GUARD (MINIMUM 300MM HIGH) INSTALLED AT THE BASE OF THE TRUNK, UNLESS OTHERWISE NOTED. GUARD TO BE REMOVED AFTER 5 YEARS BY MAINTENANCE CONTRACTOR.
- 14. WINTER PROTECTION: NECESSARY PROTECTION SHALL BE INSTALLED FOR ALL FRAGILE PLANTS TO PROTECT AGAINST WINTER WINDS OR LIKELY DAMAGE BY SNOW - FOR EXAMPLE THE BASE OF THE BUILDING SUBJECT TO FALLING SNOW FROM ROOFS, OR IN AREAS SUBJECT TO SNOW STORAGE AND REMOVAL). THE PROTECTION SHALL BE REVIEWED AND APPROVED AT THE END OF THE PLANTING WORKS BY THE LANDSCAPE ARCHITECT. PROTECTIONS MUST BE ADAPTED TO EACH
- PLANT OR GROUP OF PLANTS. 15. CONIFEROUS TREES TO BE PROTECTED WITH 4 STAKES AT DRIPLINE DISTANCE WRAPPED HORIZONTALLY WITH WRAPPING MATERIAL (NEW BURLAP). COMPLETELY WRAP EACH TREE IN THE FALL PRIOR TO FIRST MAJOR SNOWFALL.

### MAINTENANCE SPECIFICATIONS:

- . CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) FULL YEAR FROM THE DATE OF FINAL ACCEPTANCE, UNLESS LOCATED ON MUNICIPAL PROPERTY WHERE A TWO (2) YEAR EXTENDED WARRANTY SHALL APPLY.
- 2. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY CONDITION AND WHEREVER NECESSARY REPLACED WITH NEW PLANT MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH LANDSCAPING REQUIREMENTS. PLANTS WHICH HAVE DIED DURING THE PERIOD OF WARRANTY SHALL BE REPLACED, CONSISTENT WITH THE ALLOWABLE PLANTING SEASON. DEAD PLANT MATERIAL REPLACED UNDER WARRANTY SHALL BE REMOVED. PLANT MATERIAL REPLACED UNDER WARRANTY SHALL CONFORM TO ALL SPECIFICATIONS OF THE ORIGINAL CONTRACT INCLUDING THE WARRANTY FROM THE DATE OF REPLACEMENT PLANTING.
- 3. INSTALLER MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANT MATERIAL IS INSTALLED AND SHALL CONTINUE THROUGHOUT THE ENTIRE WARRANTY PERIOD. MAINTENANCE REQUIREMENTS SHALL INCLUDE ALL PROCEDURES CONSISTENT WITH PROPER HORTICULTURAL PRACTICES TO ENSURE NORMAL, VIGOROUS, AND HEALTHY GROWTH OF ALL MATERIAL PLANTED INCLUDING SOD. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
- 4. REGULAR CULTIVATION AND WEED CONTROL OF PLANTING BEDS AND

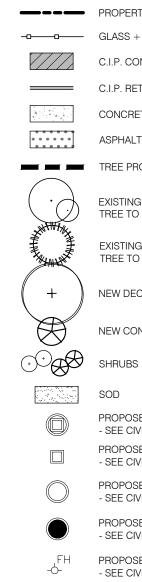
- 3. TUNNEL OR BORE WHEN DIGGING WITHIN THE CRZ OF A TREE.
- 5. ENSURE EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARDS ANY TREE'S CANOPY.
- 8. EXPOSED ROOTS SHALL BE KEPT CONTINUOUSLY MOIST DURING EXCAVATION.
- 9. REMOVE BROKEN AND DAMAGED ROOTS WITH SHARP PRUNING SHEARS.



GRAPHIC SCALE 1:250 0 2.5 5 7.5

12m

омм	ION NAME		SIZE		COMMENTS	SPACING 0.C.	
astern Red Cedar			175cm		W.B.	1800mm	
Calgardy Carpet Juniper			50cm 3 Gal		Potted	1000mm	
ring l	ring Flurry Serviceberry				W.B.		
rmstrong Maple			60mm		W.B.		
onwo	bod		50mm		W.B.		
Green	ı Pillar Oak		50mm		W.B.		
led O	Jak		50mm		W.B.		
laybe	erry		50cm 3	Gal	Potted	1000mm	
art's Gold Ninebark			50cm 3 Gal		Potted	1000mm	
	DBH	CON	DITION	CON	AMENTS		
	22,23,26cm	Fair					
	33cm	Poo	r				
	26cm	Fair					
	32cm	Poo	r				
	48cm	Fair					
a'	35cm	Goo			acent Private Property		
	50cm F		Good		Adjacent City Property		
	50cm	Fair-	Good	Adjacent City Pro			
	50cm	Fair-			acent City Property		
	9cm	Goo	d	Adjacent City Property			
	8cm	Goo			acent City Property		
	10cm Po 10cm Po		or Ac		jacent City Property		
					acent City Property		
		Poor			acent City Property		
	6cm Fair				acent City Property		
	6cm	6cm Fair			Adjacent City Property		
	7cm Fair			Adjacent City Property			
	7cm Fair			Adjacent City Property			
		Fair	air		Adjacent City Property		
	13,18,19cm	Fair		Suc	kers at base		
	25cm	Fair					
	26cm	Fair		$\perp$			
	15,20,22cm	Fair		3 S1	tems joined a	t 0.9m	
	18,20,26cm	Fair					



PROPERTY LINE
GLASS + ALUMINUM GUARD
C.I.P. CONCRETE PATIO SURFACE
C.I.P. RETAINING WALL
CONCRETE SIDEWALK - SEE CIVIL
ASPHALT - SEE ARCH
TREE PROTECTION FENCING
EXISTING DECIDUOUS TREE TO REMAIN
EXISTING CONIFEROUS TREE TO REMAIN
NEW DECIDUOUS TREE

NEW CONIFEROUS TREE

SOD PROPOSED STORM CBMH

- SEE CIVIL PROPOSED STORM CB - SEE CIVIL PROPOSED STORM STRUCTURE

- SEE CIVIL PROPOSED SAN STRUCTURE

SEE CIVIL PROPOSED CBMH - SEE CIVIL

PROPOSED STORM SERVICE - SEE CIVIL

PROPOSED WATER SERVICE - SEE CIVIL

PROPOSED SANITARY SERVICE - SEE CIVIL

TREE PITS (NO PESTICIDES OR HERBICIDES IN ACCORDANCE WITH

- 5. WATER A MINIMUM OF ONCE A WEEK FOR THE FIRST FOUR WEEKS. WHEN REQUIRED THEREAFTER AND IN SUFFICIENT QUANTITIES TO SATURATE THE ROOT SYSTEM AND TO ENSURE SUFFICIENT MOISTURE FOR VIGOROUS PLANT MATERIAL GROWTH. ENSURE ADEQUATE MOISTURE IN HE ROOTBALL AT TIME OF FIRST FROST. THE USE OF 'GATOR-BAGS' OR
- 6. PRUNING, INCLUDING THE REMOVAL AND DISPOSAL OF DEAD OR BROKEN
- OF FERTILIZER IS DEEMED NECESSARY, PRIOR TO THE APPLICATION, SUBMIT RATIO AND APPLICATION RATE TO LANDSCAPE ARCHITECT. 8. THE MAINTENANCE OF ALL ACCESSORIES IN GOOD CONDITION AND PROPERLY ADJUSTED INCLUDING THE REPAIR OR REPLACEMENT OF
- ACCESSORIES AS REQUIRED AT NO ADDITIONAL EXPENSE TO THE OWNER. 9. AT THE TIME OF FINAL WARRANTY ACCEPTANCE, ALL MATERIAL MUST BE IN A HEALTHY AND VIGOROUS CONDITION. BEDS AND TREE PITS MUST BE FRESHLY CULTIVATED AND FREE OF WEEDS, RUBBISH AND DEBRIS. ALL STAKES, TIES, AND OTHER ACCESSORIES MUST BE REMOVED PRIOR TO FINAL ACCEPTANCE, EXCEPT FOR PLANT MATERIAL CONTINUING UNDER EXTENDED WARRANTY

## OFFSET AND CLEARANCE NOTES

- 1. CONTRACTOR TO LAYOUT PLANTING BEDS, PATHWAYS ETC. TO APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO ANY EXCAVATION. 2. TRUNKS OF ALL TREES MUST BE CLEAR OF INTERSECTION SIGHT
- TRIANGLES. OBTAIN APPROVAL OF PLANTING LAYOUT PRIOR TO DIGGING. 3. TREE PLANTING SHALL BE HAND EXCAVATED FOR THOSE LESS THAN 1 M CLEARANCE TO ANY UNDERGROUND UTILITIES.
- CURB/ ROAD EDGE. 5. TREES SHALL BE PLACED TO PROVIDE A MINIMUM SEPARATION DISTANCE
- 6. TREES ARE TO BE LOCATED A MINIMUM DISTANCE OF 2M FROM THE WATER AND SEWER SERVICES, AND A MINIMUM DISTANCE OF 0.7M FROM A
- . TREES ARE TO BE LOCATED A MINIMUM DISTANCE OF 4.5M FROM A STREETLIGHT (2M FOR SMALL, ORNAMENTAL OR COLUMNAR TREE). CLEARANCES FROM UTILITY POLES SHALL BE AS PER THE DIRECTION OF THE AFFECTED UTILITY.



THE FOLLOWING PROTECTION MEASURES MUST BE IMPLEMENTED FOR RETAINED TREES, BOTH WITHIN THE WORK AREA AND ON ADJACENT PARCELS. 1. UNDER THE GUIDANCE OF AN ARBORIST, ERECT A FENCE AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETERS FROM THE TRUNK FOR EVERY CENTIMETER OF TRUNK DIAMETER AT DEPENDENT HELINT

TREE PROTECTION SHALL BE ERECTED TO PROVIDE A CONTINUOUS BARRICADE BETWEEN DESIGNATED TREES AND THE WORK AREA PRIOR TO CONSTRUCTION.

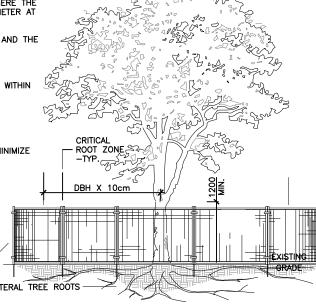
ENSURE ALL EQUIPMENT AND CONSTRUCTION RELATED MATERIAL ARE NOT PLACED OR TEMPORARILY STORED WITHIN THE CRZ.

6. FLOODING OR DEPOSITION OF SEDIMENT SHALL BE PREVENTED WHERE TREES ARE LOCATED.

ALL DISTURBED ROOT SYSTEMS SHALL BE EXPOSED AND BACKFILLED IN ONE CONTINUOUS OPERATION TO MINIMIZE DESICCATION.

10. THE TREE PROTECTION FENCE IS TEMPORARY, SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OPERATIONS, AND SHALL BE REMOVED UPON COMPLETION OF WORK WHEN AGREED TO BY THE CONTRACT ADMINISTRATOR AND LANDSCAPE ARCHITECT. STAKED/ ANCHORED TREE CONSTRUCTION FENCE BEYOND CRITICAL ROOT ZONE \_ UNLESS AUTHORIZED BY THE CONTRACT ADMINISTRATOR AND LANDSCAPE ARCHITECT

UNDISTURBED NATIVE SOIL AND LATERAL TREE ROOTS



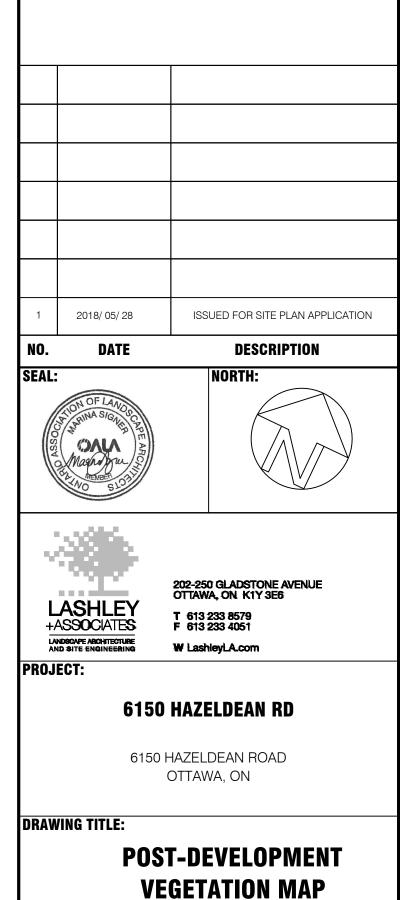
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TREE PRESERVATION, PROTECTION & REMOVAL NOTES

- ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION BY MAINTAINING A PROTECTION FENCE AT THE CRITICAL ROOT ZONE OF THE TREE OR GROUP OF TREES.
- -CRZ: DIAMETER OF TRUNK IN CM MULTIPLIED BY 10CM
- STORAGE OF MATERIALS AND/OR EQUIPMENT IS PROHIBITED WITHIN THE DRIP LINE OF ALL EXISTING
- TREES TO REMAIN. CONTRACTOR MUST COMPLY WITH THE MIGRATORY BIRDS CONVENTION ACT (MBCA), 1994 AND
- REGULATIONS. TREES NOTED FOR REMOVAL MUST BE CUT OUTSIDE OF BIRD NESTING SEASON.
- BIRD NESTING SEASON: APRIL 1ST UNTIL AUGUST 31ST.



2018/05/22 **DRAWING NO.:** SCALE: 1:250 DRAWN BY: S.G. LA PROJECT NO. 18705-1

**TP-2** 

1:75

4. TREES TO BE LOCATED 1M FROM DRIVEWAYS AND SIDEWALKS, 1.5M FROM

GAS SERVICE.

OF 2M FROM HYDRANTS, 1.5M FROM WATER CURB-STOPS.

MUNICIPAL BY-LAWS AND PROVINCIAL LEGISLATION). APPROVED EQUAL IS ENCOURAGED. BRANCHES 7. MONITOR ALL PLANT MATERIAL FOR VIGOROUS GROWTH. IF APPLICATION