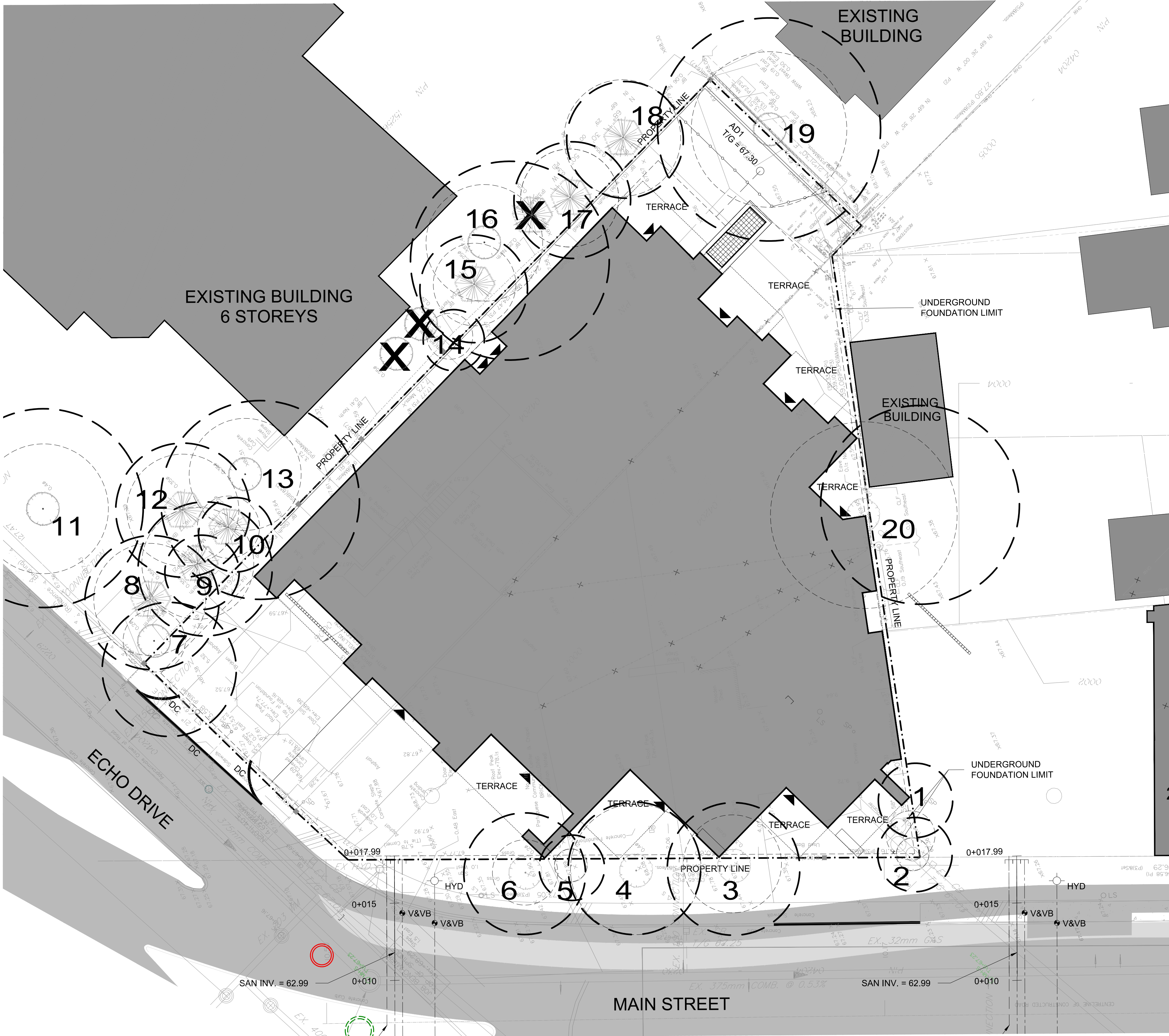
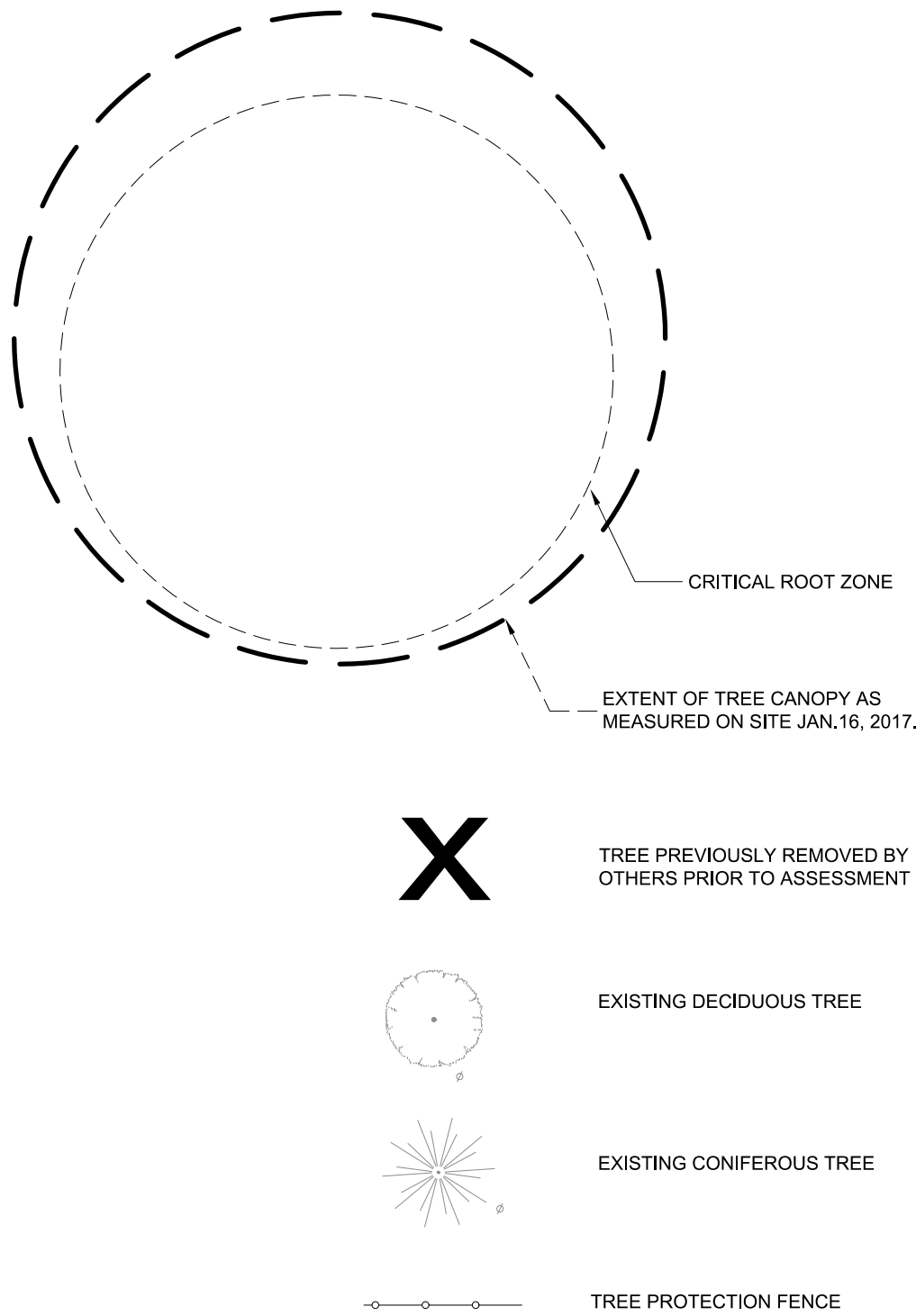




LEGEND



KEY PLAN
N.T.S.

TREE PROTECTION NOTES

The following protection measures must be implemented for retained trees, both on site and on adjacent sites, prior to any tree removal or site works and maintained for the duration of construction on site.

- 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 centimetres from the trunk of a tree for every centimetres of trunk diameter at breast height. The CRZ is calculated as DBH x 10cm. Refer to the Tree Protection Fence detail. See plan for fence location.
- When trees to be removed overlap with the CRZ of trees to be preserved; cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
- If roots must be cut, roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
- Hand work only where required within the CRZ; absolutely no machinery permitted.
- Do not place any material or equipment within the CRZ of any tree.
- Do not attach any signs, notices or posters to any tree.
- Do not disturb, raise or lower the existing grade within the CRZ without approval.
- Only tunnel or bore when digging within the CRZ of a tree.
- Do not damage the root system, trunk, or branches of any tree.
- Ensure that exhaust fumes from all equipment are directed away from any tree canopy.

TREE INVENTORY

No.	Botanical Name	Common Name	DBH (m)	CRZ (m)	Condition	Remarks	Recomm.
1	Acer negundo	Manitoba Maple	0.15	1.50	F	Property line tree (not surveyed); Split leader and leaning;	Coordinate with neighbour for removal
2	Acer rubrum	Red Maple	0.10	1.00	P	80% dieback	Remove
3	Fraxinus sp.	Ash	0.30	3.00	D	Dead (City of Ottawa R.O.W.)	Remove
4	Fraxinus sp.	Ash	0.40	4.00	D	Dead (City of Ottawa R.O.W.)	Remove
5	Sorbus americana	Mountain Ash	0.10	1.00	F	Multi-stem; significant lean (City of Ottawa R.O.W.)	Conflict/Remove
6	Tilia cordata	Littleleaf Linden	0.20	2.00	F	Broken branches; some dieback; leaning (City of Ottawa R.O.W.)	Conflict/Remove
7	Acer negundo	Manitoba Maple	0.20	2.00	F	On neighbouring property; significant lean onto subject site; requires major branch and root pruning as part of works	Coordinate with neighbour for removal
8	Picea glauca	White Spruce	0.35	3.50	F	On neighbouring property; west side of tree significantly pruned; some overhanging branches onto subject site; requires major branch and root pruning as part of works	Prune; Protect
9	Picea pungens var. glauca	Colorado Blue Spruce	0.20	2.00	F	On neighbouring property; some overhanging branches onto subject site; requires some branch pruning as part of works	Prune; Protect
10	Picea glauca	White Spruce	0.35	3.50	F	On neighbouring property; west side of tree significantly pruned; some overhanging branches onto subject site; requires major branch and root pruning as part of works	Prune; Protect
11	Gleditsia triacanthos	Honeylocust	0.40	4.00	F	On neighbouring property; well set back from property line	Protect
12	Picea pungens var. glauca	Colorado Blue Spruce	0.35	3.50	F	On neighbouring property; well set back from property line	Protect
13	Gleditsia triacanthos	Honeylocust	0.35	3.50	F	On neighbouring property; some overhanging branches onto subject site; requires some branch pruning as part of works	Prune; Protect
14	Acer rubrum	Red Maple	0.10	1.00	F	On neighbouring property; small tree on fence; requires major branch and root pruning as part of works	Prune; Protect
15	Picea pungens var. glauca	Colorado Blue Spruce	0.20	2.00	F	On neighbouring property; west side of tree significantly pruned; some overhanging branches onto subject site; requires major branch and root pruning as part of works	Prune; Protect
16	Gleditsia triacanthos	Honeylocust	0.35	3.50	F	On neighbouring property; some overhanging branches onto subject site; requires some branch/root pruning as part of works	Prune; Protect
17	Picea pungens var. glauca	Colorado Blue Spruce	0.35	3.50	F	On neighbouring property; west side of tree significantly pruned; some overhanging branches onto subject site; requires major branch and root pruning as part of works	Prune; Protect
18	Picea glauca	White Spruce	0.35	3.50	F	On neighbouring property; evidence of spruce gall; some overhanging branches onto subject site; requires major branch and root pruning as part of works	Prune; Protect
19	Acer rubrum	Red Maple	0.50	5.00	F	Property line tree growing through fence; multi-stem leader with weak unions (existing branch cabling support)	Prune; Protect
20	Acer negundo	Manitoba Maple	0.60	6.00	F	Property line tree growing through fence; significant lean onto subject site; requires major branch and root pruning as part of works	Coordinate with neighbour for removal

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

NOT FOR
CONSTRUCTION

No.	REVISION	DATE	BY
2.	REVISED AS PER CITY COMMENTS	MAR 2/18	SC
1.	ISSUED FOR SPA	NOV 2, 2017	SC

SCALE
AS SHOWN

DESIGN	SC
CHECKED	SC
DRAWN	SC
CHECKED	RGJ
APPROVED	SC

FOR REVIEW ONLY

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
115 ECHO DRIVE

DRAWING NAME
TREE CONSERVATION PLAN

PROJECT No. 115105-00
REV
REV # 2
DRAWING No. 115105-TCR1