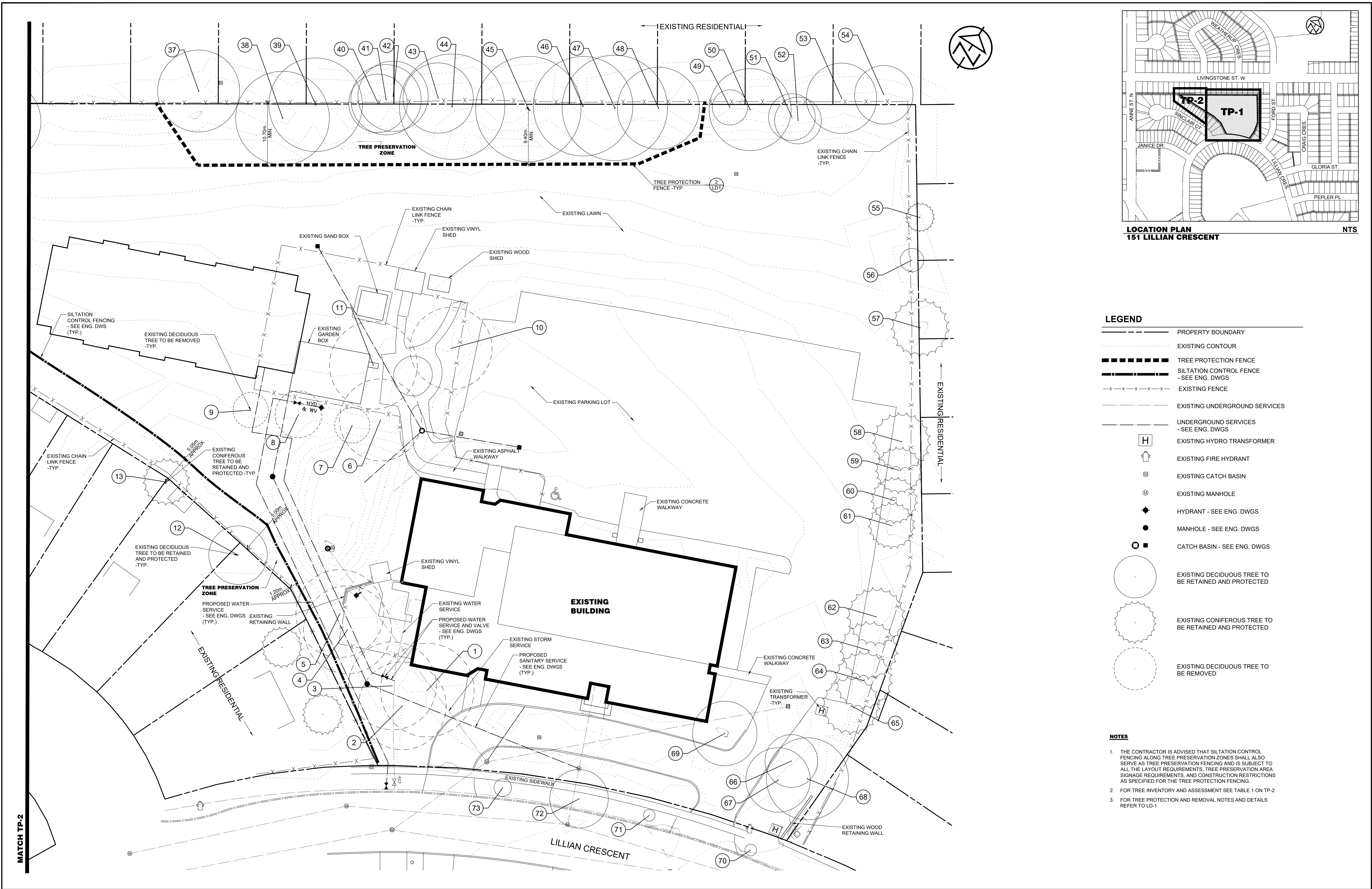




LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- TREE PROTECTION FENCE
- SILTATION CONTROL FENCE - SEE ENG. DWGS
- EXISTING FENCE
- EXISTING UNDERGROUND SERVICES
- UNDERGROUND SERVICES - SEE ENG. DWGS
- EXISTING HYDRO TRANSFORMER
- EXISTING FIRE HYDRANT
- EXISTING CATCH BASIN
- EXISTING MANHOLE
- HYDRANT - SEE ENG. DWGS
- MANHOLE - SEE ENG. DWGS
- CATCH BASIN - SEE ENG. DWGS
- EXISTING DECIDUOUS TREE TO BE RETAINED AND PROTECTED
- EXISTING CONIFEROUS TREE TO BE RETAINED AND PROTECTED
- EXISTING DECIDUOUS TREE TO BE REMOVED

- NOTES**
- 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.
 - FOR TREE INVENTORY AND ASSESSMENT SEE TABLE 1 ON TP-2
 - FOR TREE PROTECTION AND REMOVAL NOTES AND DETAILS REFER TO LD-1

CONTRACT DRAWINGS

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NOTES

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NO.	REVISIONS	DATE	INITIAL	

REDWOOD PARK COMMUNITIES
FAMILY EMERGENCY HOUSING
CITY OF BARRIE

TREE PROTECTION AND REMOVALS PLAN

ENVISIONTATHAM

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

SCALE: 1:300

DESIGN: AB

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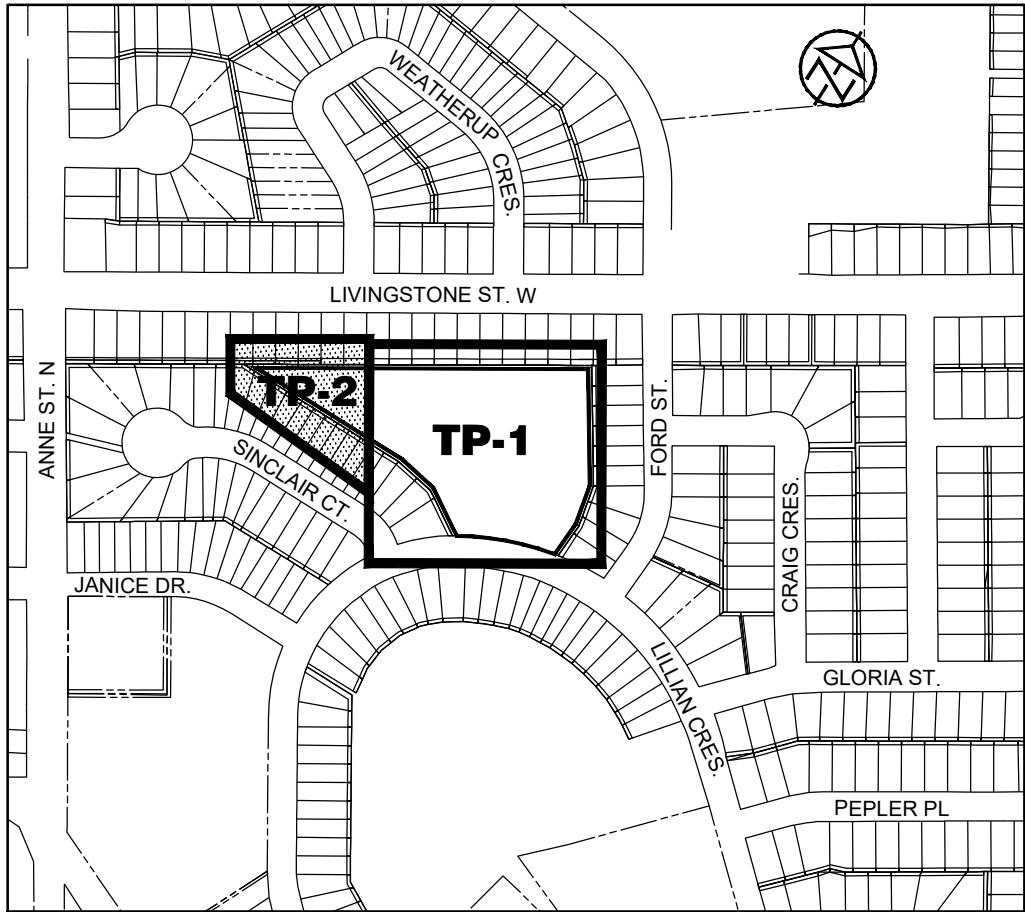
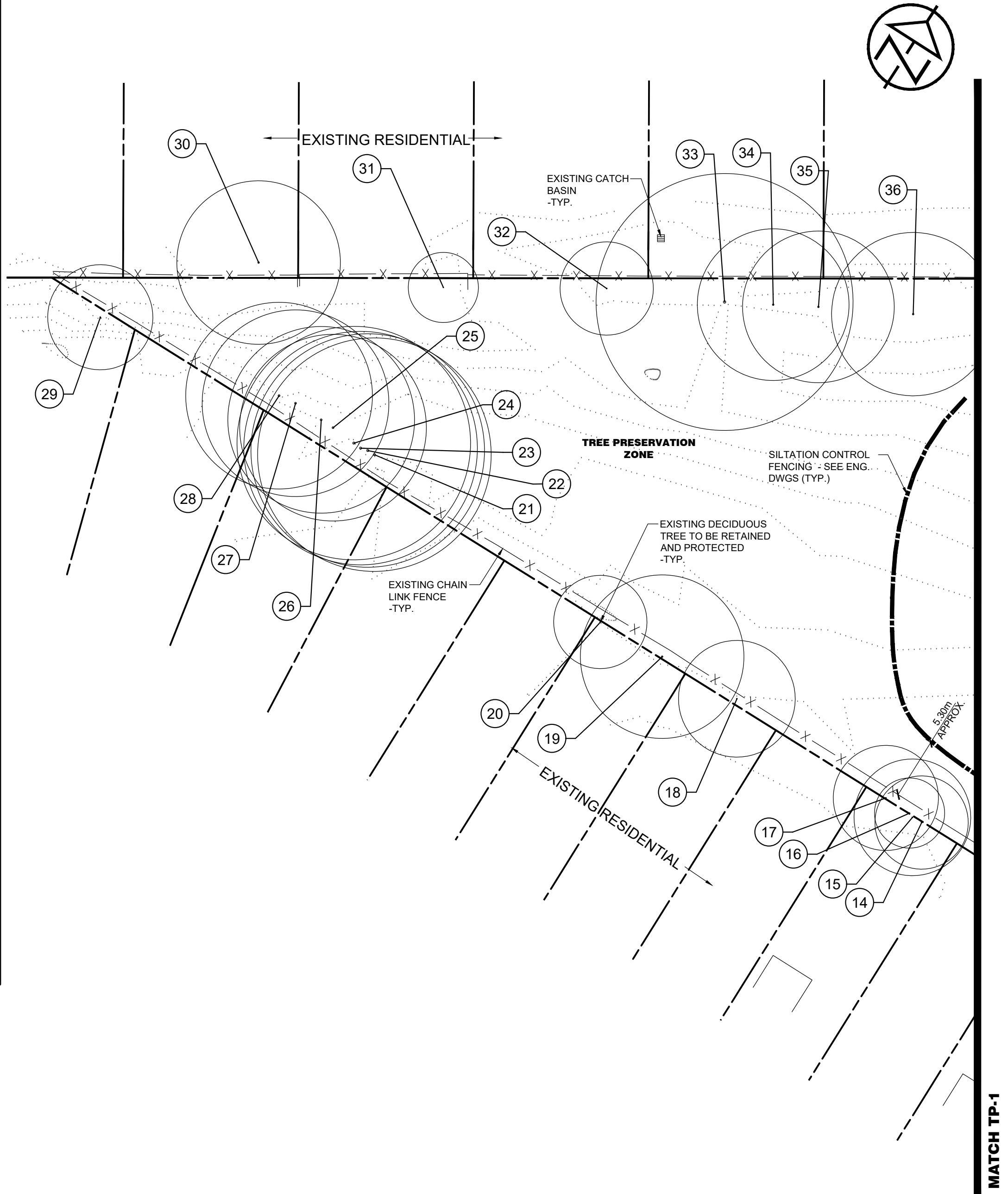
DATE: APR. 27, 2017

JOB NO. ET116036

DWG. **TP-1**

TABLE 1- TREE INVENTORY AND ASSESSMENT

ID No.	Latin Name	Common Name	dbh(mm)	Canopy Radius (m)	Condition	Remove/ Retain	Comments
1	<i>Gleditsia sp.</i>	Honeylocust	273	8.0	Good	Remove	asymmetrical canopy
2	<i>Gleditsia sp.</i>	Honeylocust	385	7.5	Good - Fair	Remove	some pruning cuts not healed over
3	<i>Gleditsia sp.</i>	Honeylocust	306	7.5	Good	Remove	some pruning cuts not healed over
4	<i>Gleditsia sp.</i>	Honeylocust	328	7.5	Fair	Remove	girdling root, buried trunk flare, pruning cuts
5	<i>Gleditsia sp.</i>	Honeylocust	184/255	7.5	Good - Fair	Remove	codominant, included bark, rubbing branches, pruning wounds
6	<i>Gleditsia sp.</i>	Honeylocust	408	7.0	Fair	Remove	lawn mower blight, may be decay, exposed sapwood at second branch, pruning wounds
7	<i>Malus sp.</i>	Crabapple	54	3.0	Poor	Remove	decay throughout
8	<i>Malus sp.</i>	Crabapple	151	4.0	Poor	Remove	decay throughout, 2 trunks, sap fungus, 1 trunk with moderate decay
9	<i>Malus sp.</i>	Crabapple	67	3.0	Good	Remove	some rubbing branches, multi-stem (shrub)
10	<i>Gleditsia sp.</i>	Honeylocust	377	7.0	Good	Remove	codominant, pruning wounds
11	<i>Gleditsia sp.</i>	Honeylocust	399	7.5	Good	Remove	broken branch stub, pruning wounds
12	<i>Aesculus sp.</i>	Horsechestnut	300	5.0	Fair - Poor		multi-stem, decay in one trunk
13	<i>Pinus strobus</i>	White Pine	300	4.0	Fair - Poor		canopy has been raised, branch stub, trunk flare buried
14	<i>Ulmus sp.</i>	Elm	200	4.0	Fair		decay and deadwood in canopy
15	<i>Ulmus sp.</i>	Elm	250	5.0	Fair		decay and deadwood in canopy
16	<i>Ulmus sp.</i>	Elm	150	3.0	Fair		decay and deadwood in canopy
17	<i>Ulmus sp.</i>	Elm	250	4.5	Fair		decay and deadwood in canopy, codominant
18	<i>Acer saccharum</i>	Sugar Maple	60-150	5.0	Good - Fair		Group of 6, some trunk injuries, some swelling above fence
19	<i>Salix sp.</i>	Willow	300	7.0	Fair		multi-stem, recently cut, may be decay at base
20	<i>Prunus sp.</i>	Cherry	150	4.0	Good		multi-stem
21	<i>Acer platanoides</i>	Norway Maple	238	10.0	Good		multi-stem
22	<i>Acer platanoides</i>	Norway Maple	117	10.0	Good		multi-stem
23	<i>Acer platanoides</i>	Norway Maple	128	10.0	Good		multi-stem
24	<i>Populus grandidentata</i>	Large Tooth Aspen	395	10.0	Good		
25	<i>Acer platanoides</i>	Norway Maple	130/200	8.0	Good		codominant
26	<i>Acer platanoides</i>	Norway Maple	119	8.0	Poor		decay in canopy
27	<i>Ulmus sp.</i>	Elm	215	8.0	Good		was codominant, stump at base
28	<i>Acer platanoides</i>	Norway Maple	18-20	8.0	Good - Fair		multi-stem, included bark
29	<i>Acer saccharum</i>	Sugar Maple	400	4.5	Good		codominant, included bark
30	<i>Quercus palustris</i>	Pin Oak	600	7.0	Good - Fair		codominant, included bark
31	<i>Tilia americana</i>	Basswood	119	3.0	Good		many trunk sprouts
32	<i>Acer saccharum</i>	Sugar Maple	534	4.0	Fair		likely trunk decay, old branch stubs
33	<i>Acer saccharum</i>	Sugar Maple	809	11.0	Fair - Poor		codominant, likely trunk decay
34	<i>Acer platanoides</i>	Norway Maple	163	5.0	Good		
35	<i>Acer saccharum</i>	Sugar Maple	568	6.5	Fair - Poor		likely decay, strong lean, next to stump of second tree
36	<i>Acer platanoides</i>	Norway Maple	208	7.0	Fair		multi-stem, wounds not healed, included bark
37	<i>Acer saccharinum</i>	Silver Maple	150	4.0	Good		multi-stem
38	<i>Ulmus sp.</i>	Elm	236	8.0	Good		codominant, sapsucker holes
39	<i>Acer saccharum</i>	Sugar Maple	800	8.0	Fair		codominant, likely internal decay
40	<i>Acer platanoides</i>	Norway Maple	180	5.0	Poor		canker
41	<i>Tilia americana</i>	Basswood					
42	<i>Tilia americana</i>	Basswood	300	6.0	Fair		some deadwood in canopy
43	<i>Fraxinus sp.</i>	Ash	350				
44	<i>Acer saccharum</i>	Sugar Maple	750	9.0	Poor		extensive decay
45	<i>Acer saccharum</i>	Sugar Maple	700	9.0	Poor		extensive decay and cavity, decay throughout
46	<i>Fraxinus sp.</i>	Ash	600	8.5	Good - Fair		decay, long crack
47	<i>Acer saccharum</i>	Sugar Maple	800	9.0	Fair - Poor		decay
48	<i>Acer saccharum</i>	Sugar Maple	500	7.0	Fair		decay, asymmetrical canopy
49	<i>Tilia americana</i>	Basswood	150	3.0	Good		multi-stem
50	<i>Tilia americana</i>	Basswood	300/300	7.0	Good		multi-stem
51	<i>Acer negundo</i>	Manitoba Maple	150	4.0	Good		multi-stem
52	<i>Tilia americana</i>	Basswood	100	4.0	Good		multi-stem
53	<i>Salix sp.</i>	Willow	200	6.0	Good		multi-stem
54	<i>Betula sp.</i>	Birch	150	5.0	Good		multi-stem
55	<i>Picea glauca</i>	White Spruce	150	2.5	Good		
56	<i>Acer saccharum</i>	Sugar Maple	75	2.0	Good		multi-stem
57	<i>Picea pungens</i> var. 'Glauca'	Blue Colorado Spruce	300	5.0	Good		
58	<i>Pinus nigra</i>	Austrian Pine	361	5.0	Good - Fair		lean, codominant, lots of resin
59	<i>Pinus nigra</i>	Austrian Pine	306	4.0	Good		sapsucker holes, mechanical injury
60	<i>Pinus nigra</i>	Austrian Pine	289	4.0	Fair		wire embedded in tree, girdled
61	<i>Pinus nigra</i>	Austrian Pine	354	4.0	Good - Fair		kink in trunk
62	<i>Pinus nigra</i>	Austrian Pine	336	5.0	Good - Fair		buried trunk flare, old pruning wounds
63	<i>Pinus nigra</i>	Austrian Pine	350	5.0	Good - Fair		codominant, sapsucker holes, buried trunk flare
64	<i>Pinus nigra</i>	Austrian Pine	377	5.0	Good - Fair		self corrected lean, sapsucker holes
65	<i>Pinus nigra</i>	Austrian Pine	374	5.0	Good - Fair		codominant, included bark, sapsucker holes
66	<i>Gleditsia sp.</i>	Honeylocust	164	4.5	Fair		very poor form, codominant, included bark
67	<i>Gleditsia sp.</i>	Honeylocust	155	5.5	Fair		3 stem
68	<i>Gleditsia sp.</i>	Honeylocust	383	7.0	Good - Fair		hanger in canopy
69	<i>Acer platanoides</i>	Norway Maple	260	5.5	Fair		girdling root
70	<i>Acer platanoides</i>	Norway Maple	63	1.0	Good - Fair		
71	<i>Acer platanoides</i>	Norway Maple	74	1.0	Fair		lawn mower blight, codominant
72	<i>Acer platanoides</i>	Norway Maple	259	5.0	Fair		buried trunk flare, recurrent frost crack
73	<i>Acer platanoides</i>	Norway Maple	93	1.5	Fair - Poor		some decay in lower branch, many old mechanical injuries, codominant



LOCATION PLAN
151 LILLIAN CRESCENT
NTS

LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- SILTATION CONTROL FENCE - SEE ENG. DWGS
- EXISTING FENCE
- EXISTING FIRE HYDRANT
- EXISTING DECIDUOUS TREE TO BE RETAINED AND PROTECTED

NOTES

- 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.
- FOR TREE PROTECTION AND REMOVAL NOTES AND DETAILS REFER TO LD-1

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REDWOOD PARK COMMUNITIES
FAMILY EMERGENCY HOUSING
CITY OF BARRIE

TREE PROTECTION AND
REMOVALS 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

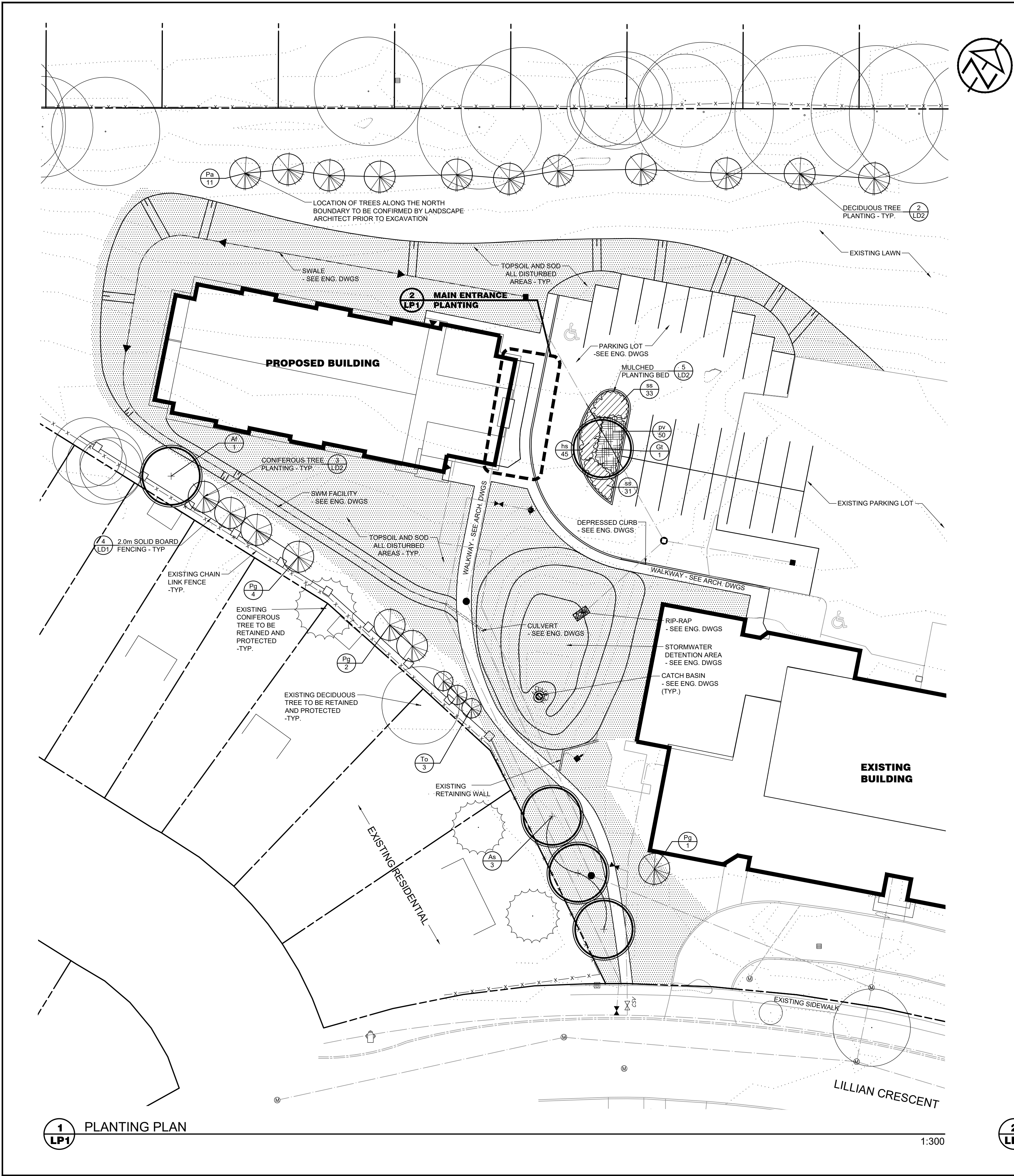
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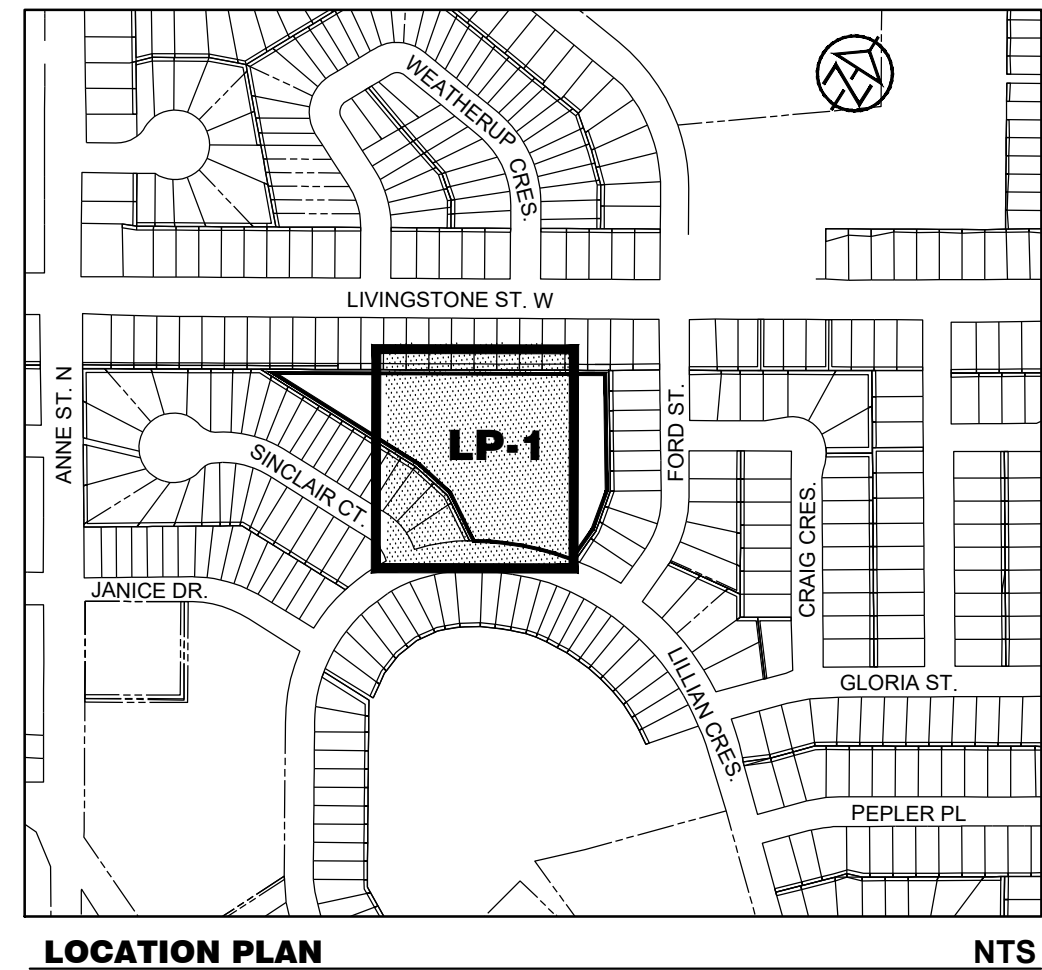
DATE: APR. 27, 2017

JOB NO. ET116036

DWG. TP-2



PLANT LIST						
KEY	BOTANICAL NAME	COMMON NAME	SIZE	COND.	SPACING	QTY
Deciduous Trees						
Af	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	60mm cal.	W.B.		1
As	Acer saccharum	Sugar Maple	60mm cal.	W.B.		3
Gt	Gleditsia triacanthos var. inermis 'Shademaster'	Shadmaster Honeylocust	60mm cal.	W.B.		1
Coniferous Trees						
Pa	Picea abies	Norway Spruce	200cm	W.B.		11
Pg	Picea glauca	White Spruce	200cm	W.B.		7
To	Thuja occidentalis	Eastern White Cedar	200cm	W.B.		3
Deciduous Shrubs						
Pf	Potentilla fruticosa 'Yellow Gem'	Yellow Gem Cinquefoil	50cm	3 gal.	0.5m o.c.	11
Coniferous Shrubs						
Pm	Pinus mugo 'Slowmound'	Slowmound Mugo Pine	40cm	3 gal.	1.0m o.c.	6
Perennials & Grasses						
fg	Festuca glauca 'Elijah Blue'	Elijah Blue Fescue		1 gal.	0.3m o.c.	20
hs	Heemerocallis 'Stella D'oro'	Stella D'oro Daylily		1 gal.	0.5m o.c.	61
pv	Panicum virgatum 'Hanse Herms'	Hanse Herms Switchgrass		1 gal.	0.6m o.c.	59
sn	Salvia nemorosa 'Ostfriesland'	Meadow Sage		1 gal.	0.5m o.c.	8
ss	Sedum spectabile 'Autumn Joy'	Autumn Joy Stonecrop		1 gal.	0.6m o.c.	64



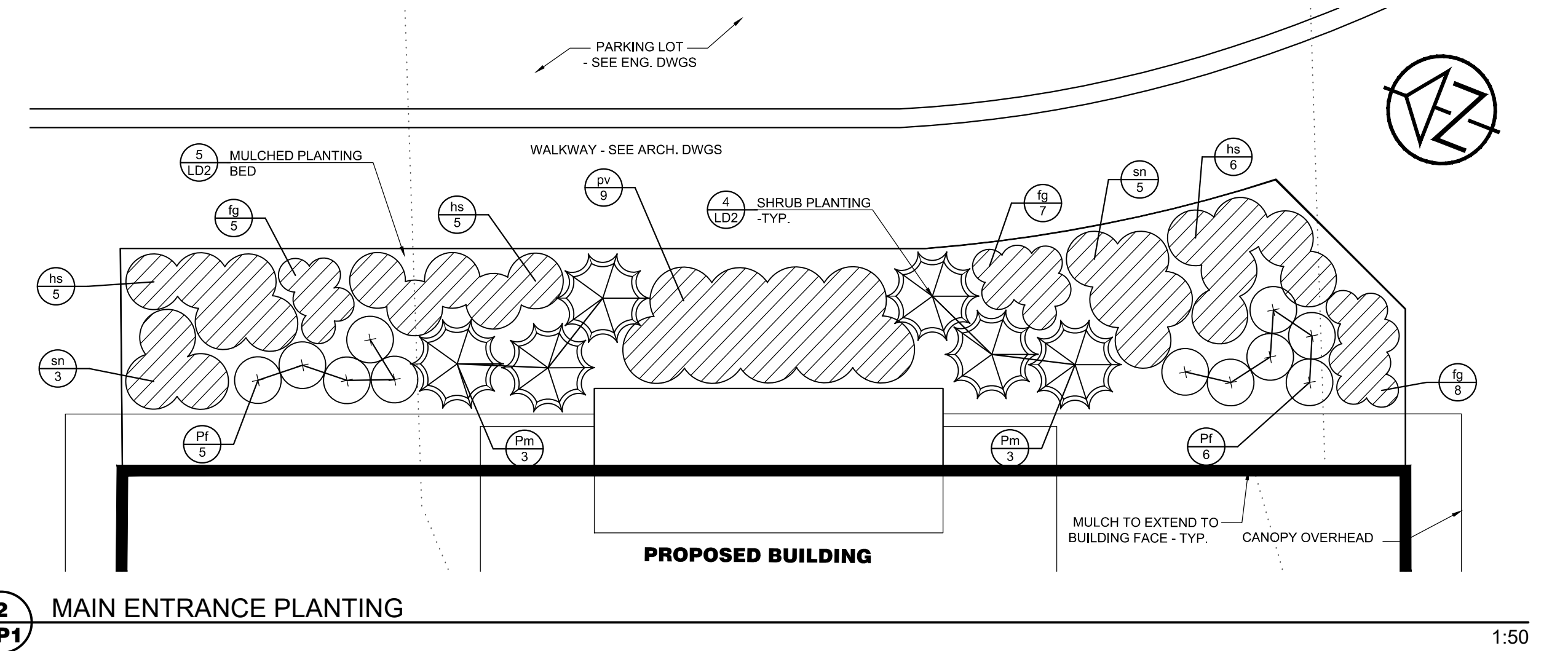
LOCATION PLAN
151 LILLIAN CRESCENT
NTS

NOTES

- DEPICTED ON THIS PLAN ARE THE SPECIES AND THE APPROXIMATE LOCATION OF THE TREES. THE EXACT LOCATION OF THE TREES WILL BE STAKED ON SITE BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- ALL PLANTS SHALL BE SUPPLIED AS SPECIFIED IN THE 'PLANT LIST'. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR ALL SERVICE AND UTILITY LOCATES.
- TREE PITS OR PLANTING BEDS LOCATED WITHIN 1 METRE OF UNDERGROUND UTILITIES ARE TO BE HAND DUG.
- FOR PLANTING DETAILS, MATERIALS, AND NOTES, SEE DRAWING LD-2.

LEGEND

---	PROPERTY BOUNDARY		+	DECIDUOUS TREE
---	EXISTING CONTOUR			
-x-x-x-x-x-	EXISTING FENCE			
---	PROPOSED SWALE - SEE ENG. DWGS			
---	2.0m SOLID BOARD FENCING - SEE ARCH. D			
---	UNDERGROUND SERVICES - SEE ENG. DWGS			
[H]	EXISTING HYDRO TRANSFORMER			
[F]	EXISTING FIRE HYDRANT			
[C]	EXISTING CATCH BASIN			
[M]	EXISTING MANHOLE			
[H]	HYDRANT - SEE ENG. DWGS			
[M]	MANHOLE - SEE ENG. DWGS			
[C]	CATCH BASIN - SEE ENG. DWGS			
[C]	EXISTING DECIDUOUS TREE TO BE RETAINED AND PROTECTED			
[C]	EXISTING CONIFEROUS TREE TO BE RETAINED AND PROTECTED			



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REDWOOD PARK COMMUNITIES
FAMILY EMERGENCY HOUSING
CITY OF BARRIE

PLANTING PLAN

ENVISIONTATHAM

115 Sandford Fleming Drive,
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ON L9Y 5A6
Tel. 705.445.0422
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SCALE: AS SHOWN	JOB NO. ET116036
DESIGN: AB	CHECKED: AB
DRAWN: AL	DATE: APR. 27, 2017
DWG. LP-1	

NOTES

1.0 SILTATION CONTROL FENCING

1. SILTATION CONTROL FENCING SHALL BE IN ACCORDANCE WITH THE ENGINEERING DRAWINGS AND THE CITY OF BARRIE STANDARDS.
2. 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

1. TREE REMOVALS CAN OCCUR NO SOONER THAN SEVEN (7) DAYS AFTER THE PROJECT IDENTIFICATION SIGN (BSD 39) IS ERECTED.
2. TREE PRESERVATION AREA SIGNAGE SHALL CONFORM TO BSD-1231 TREE PRESERVATION AREA TEMPLATE (DETAIL 1/LD1) AND IS TO BE POSTED AS DESCRIBED ON BSD-1232 TREE PRESERVATION FENCING (DETAIL 2/LD1).
3. TREE PRESERVATION FENCING SHALL CONFORM TO BSD-1232 TREE PRESERVATION FENCING (DETAIL 3/LD1). INSTALL TREE PRESERVATION FENCING IN LOCATIONS INDICATED IN CONTRACT DRAWINGS.
4. 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.
5. LOCATION OF TREE PRESERVATION FENCING SHALL BE CONFIRMED ON-SITE BY THE CITY OF BARRIE PRIOR TO COMMENCING TREE CLEARING OPERATIONS.
6. THE AREA DIRECTLY BEHIND THE TREE PRESERVATION FENCING SHALL BE DESIGNATED A TREE PROTECTION ZONE (T.P.Z.).
7. FOR EXISTING VEGETATION TO REMAIN: PROTECT VEGETATION AND ROOT SYSTEMS FROM DAMAGE, COMPACTION AND CONTAMINATION RESULTING FROM CONSTRUCTION.
8. 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.
9. NO ROOT CUTTING, NO STORAGE OF MATERIALS OR FILL, AND NO MOVEMENT OR STORAGE OF VEHICLES IS PERMITTED WITHIN THIS AREA.
10. KEEP THE ENCLOSED FENCE AREA FREE OF CONSTRUCTION MATERIAL AND DEBRIS.
11. FENCE BARRIERS MUST REMAIN IN EFFECTIVE CONDITION UNTIL ALL SITE ACTIVITIES INCLUDING LANDSCAPING ARE COMPLETED.
12. CONTRACTOR SHALL REMOVE TREE PRESERVATION FENCING AT THE COMPLETION OF THE SITE WORKS FOLLOWING WRITTEN APPROVAL BY THE CITY OF BARRIE.

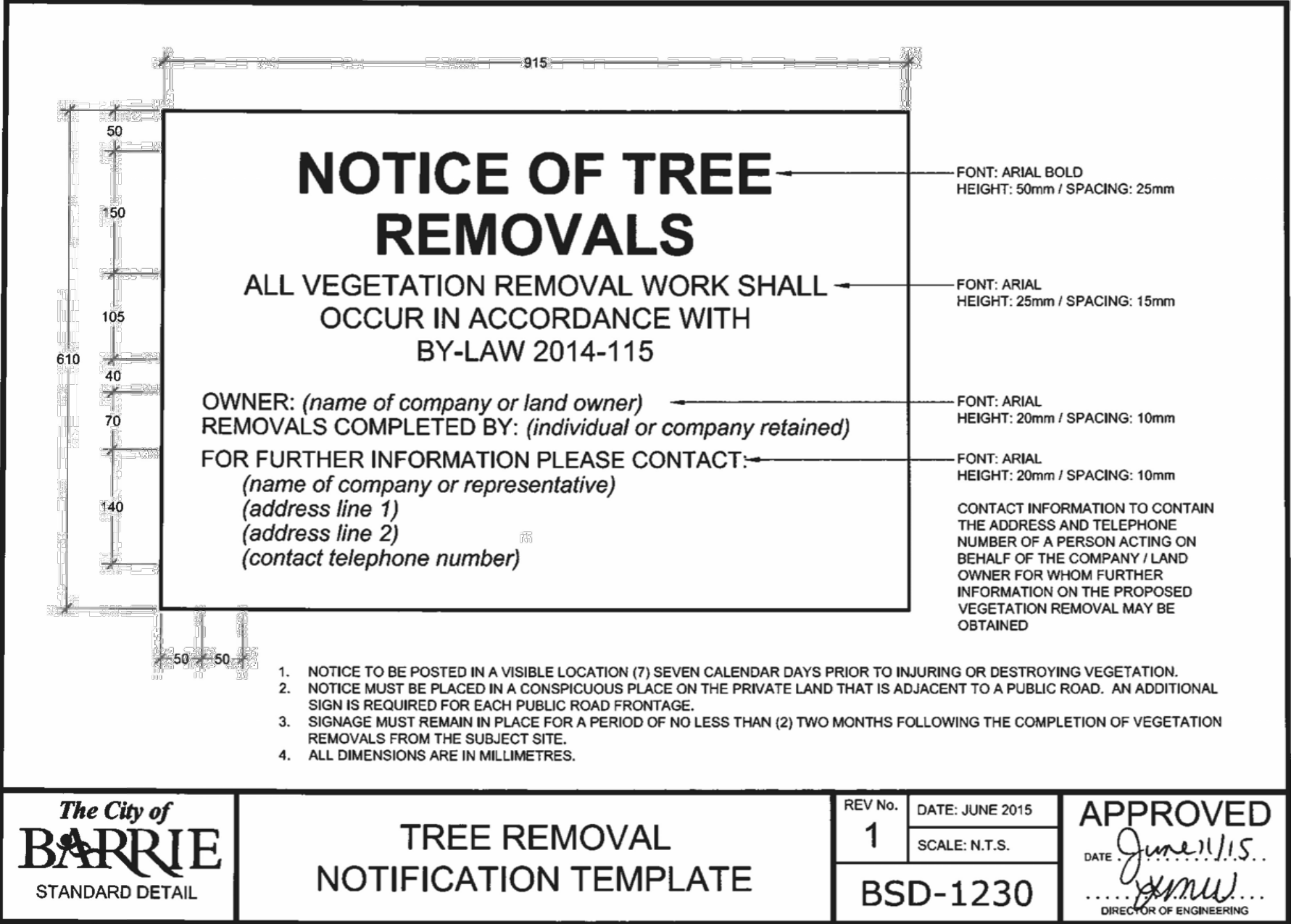
3.0 TREE REMOVALS

1. TREE REMOVALS MUST CONFORM WITH THE REQUIREMENTS OF THE MIGRATORY BIRDS CONVENTION ACT.
2. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WOOD, STUMPS, AND BRUSH FROM TREE REMOVAL OPERATIONS OFFSITE.
3. FELLING LINES ARE TO ALLOW TREES TO FALL WITHOUT IMPACTING EXISTING STRUCTURES, FEATURES, OR BRANCHES AND TRUNKS OF TREES TO REMAIN.
4. SHOULD A CLEAR FELLING LINE NOT EXIST, THE TREE SHOULD BE CUT INCREMENTALLY FROM TOP TO BOTTOM AND LOWERED TO THE GROUND WITH ROPES.
5. REMOVAL OF SELECTED TREES, IDENTIFIED BY THE CITY FORESTER OR LANDSCAPE ARCHITECT, WITHIN THE TPZ ARE TO BE REMOVED BY HANDHELD EQUIPMENT AND TRUNKS ARE TO BE CUT AT GRADE.
6. THIS WORK SHOULD BE UNDERTAKEN BY A QUALIFIED TREE WORKER WITH APPROPRIATE INSURANCE COVERAGE FOR THIS TASK.

5.0 CONSTRUCTION SEQUENCING

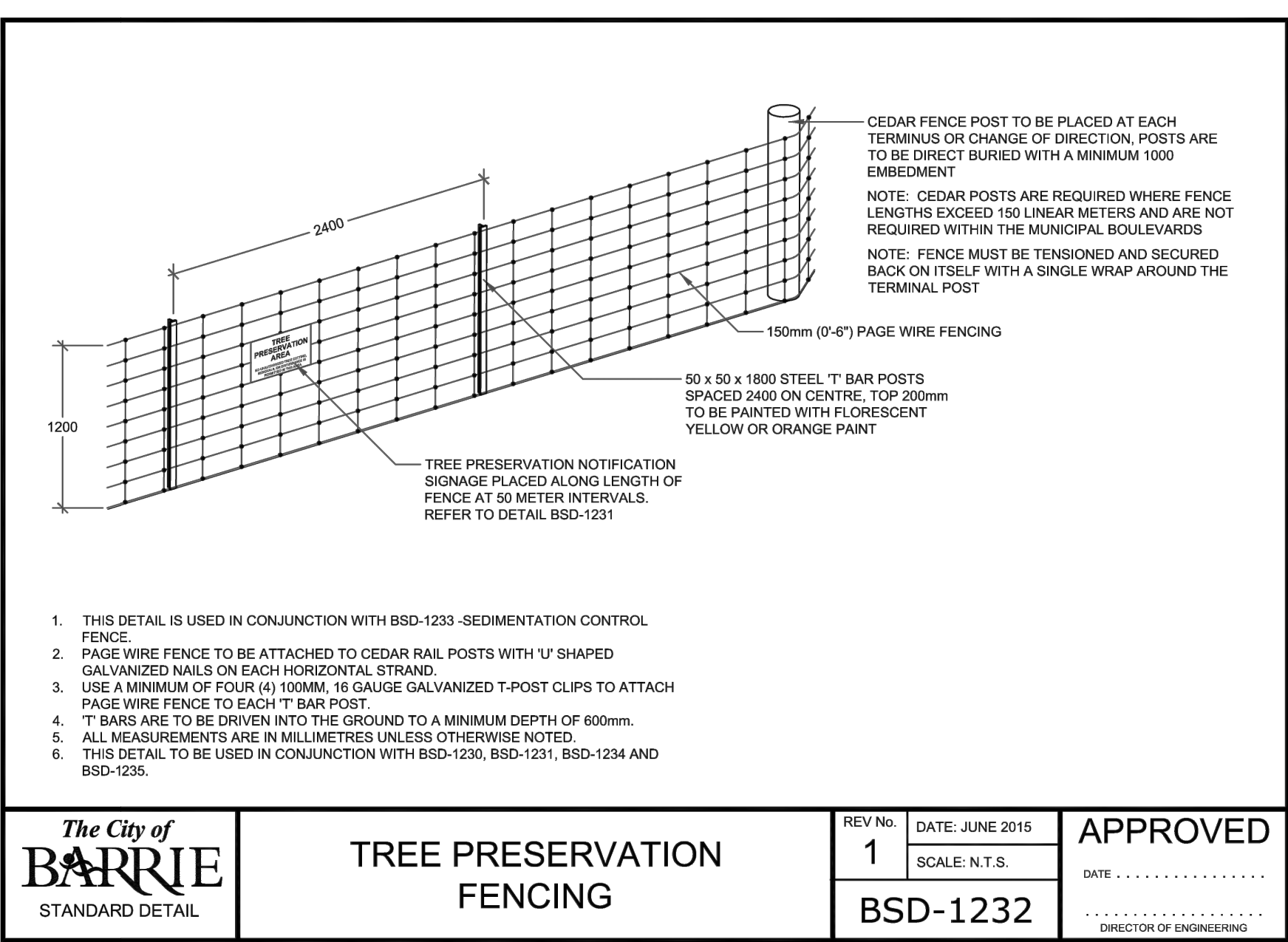
CONSTRUCTION SEQUENCING SHALL OCCUR IN THIS ORDER:

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



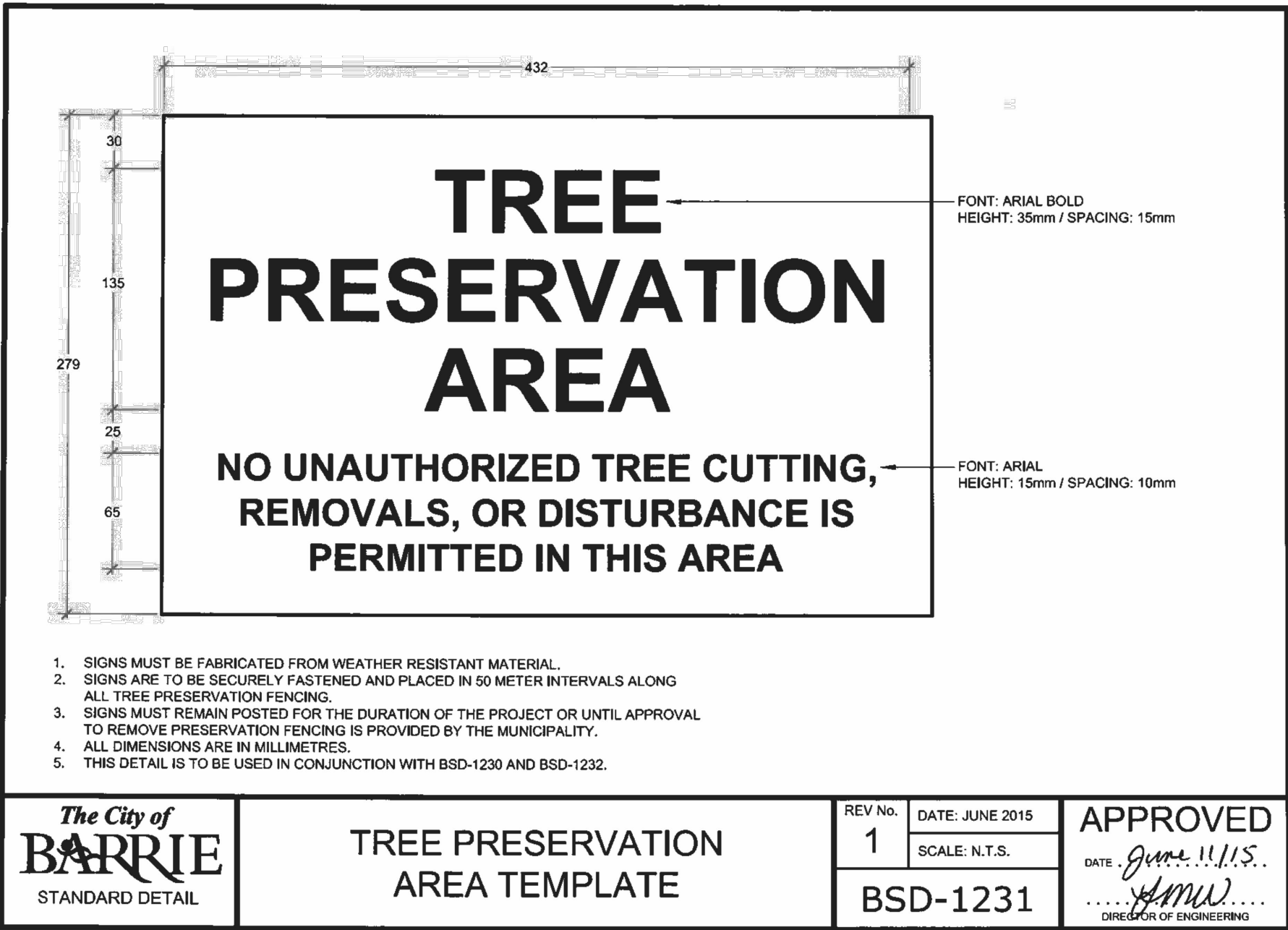
1 LD1 TREE REMOVAL NOTIFICATION SIGNAGE

NTS



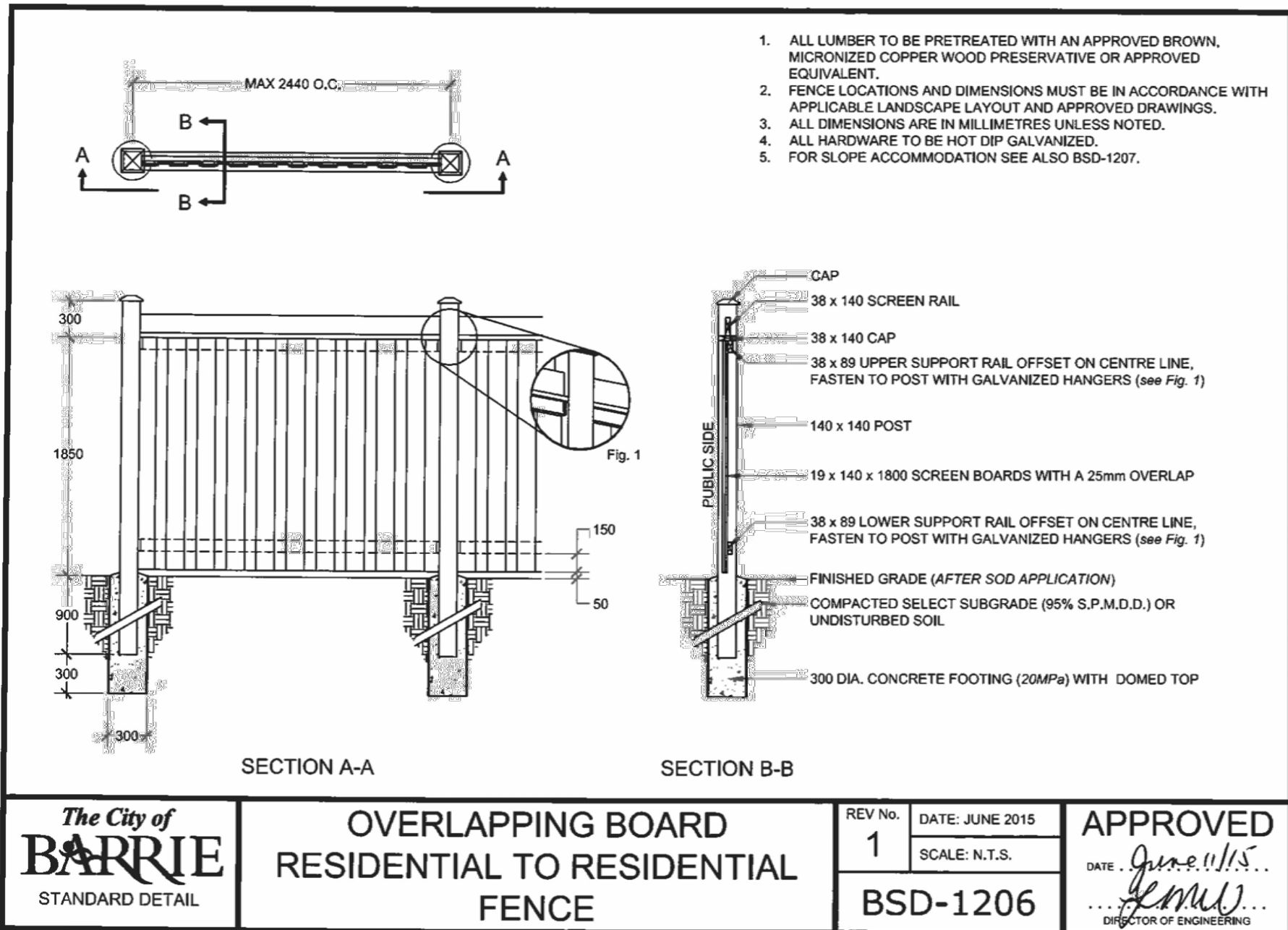
2 LD1 TREE PROTECTION FENCE

NTS



3 LD1 TREE PROTECTION FENCE SIGNAGE

NTS



4 LD1 2m SOLID BOARD FENCING

NTS

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**REDWOOD PARK COMMUNITIES
FAMILY EMERGENCY HOUSING
CITY OF BARRIE**

LANDSCAPE DETAILS

ENVISIONTATHAM

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ON L9Y 5A6
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SCALE: AS SHOWN

JOB NO. ET116036

DESIGN: AB

CHECKED: AB

DWG. **LD-1**

DRAWN: AL

DATE: APR. 27, 2017

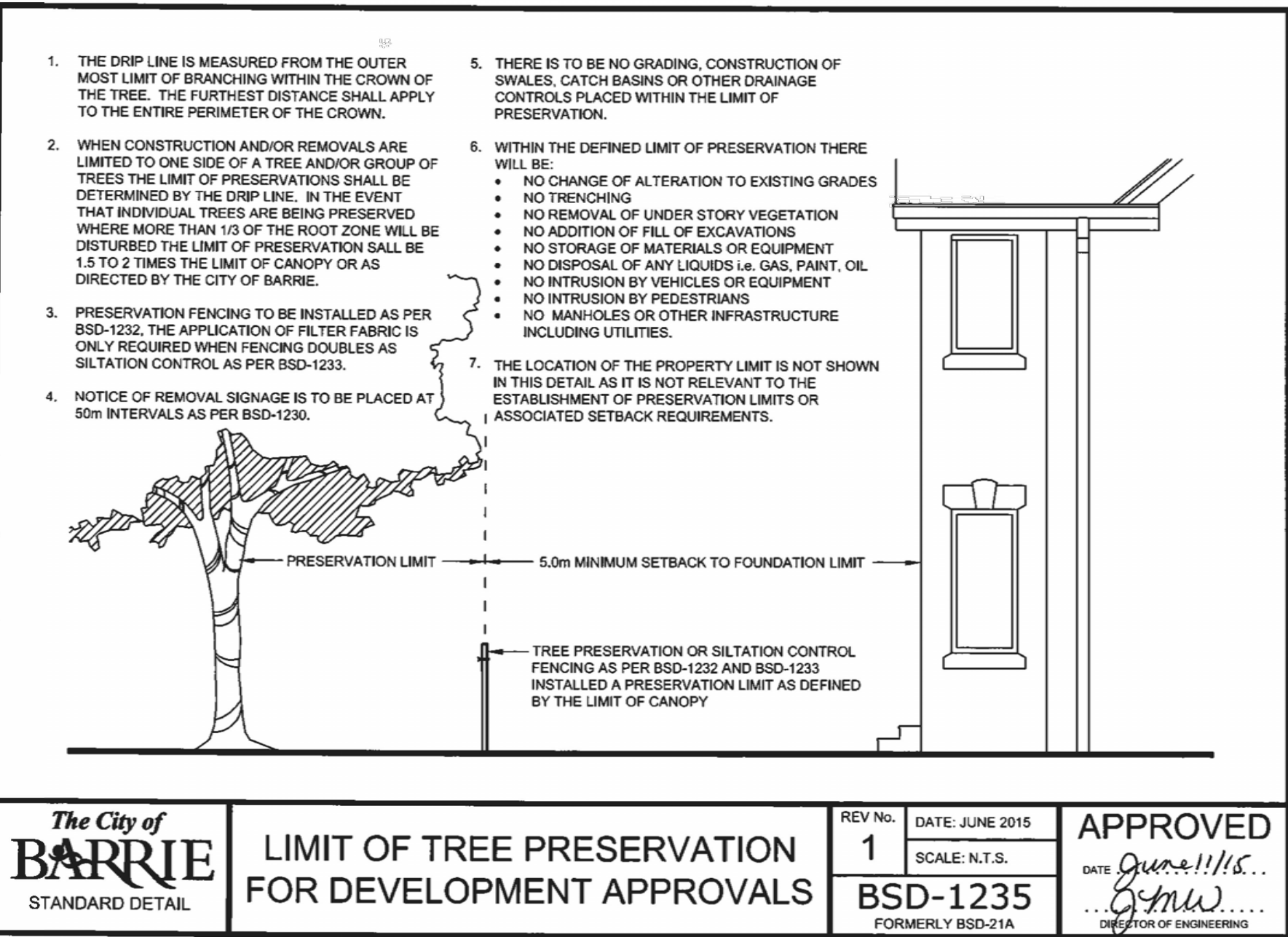
NOTES

1.0 PLANTING

1. PLANT MATERIAL SHALL BE IN ACCORDANCE WITH THE CANADIAN LANDSCAPE STANDARD (LATEST EDITION), PUBLISHED BY THE CANADIAN NURSERY LANDSCAPE ASSOCIATION AND THE CANADIAN SOCIETY OF LANDSCAPE ARCHITECTS, EXCEPT WHERE SPECIFIED OTHERWISE.
2. ALL PLANTS SHALL BE SUPPLIED AS SPECIFIED IN THE 'PLANT LIST'. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
3. ALL MATERIALS TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. MULCH TO BE SHREDDED CEDAR BARK FREE OF DYES AND CHEMICALS, OR APPROVED EQUAL.
5. PLANTING SOIL MIXTURE SHALL BE 50% SCREENED TOPSOIL, 20% COARSE SAND, AND 30% COMPOST, AS SPECIFIED. CONTRACTOR SHALL PROVIDE SOURCE AND SAMPLE OF SOIL MIXTURE, AS SPECIFIED, FOR APPROVAL PRIOR TO COMMENCING WORK.
6. TREE STAKES TO BE 38 x 38 x 2400mm SOFTWOOD STAKES
7. TIES SHALL BE 50mm WIDE BURLAP STRIPS LOOPED IN A LOOSE FIGURE 8 OR ANOTHER WOVEN BIODEGRADABLE TIE SYSTEM THAT REMAINS FLEXIBLE DURING WINTER MONTHS.
8. TRUNK PROTECTION TO BE 100mm DIA. HDPE PIPE, 500mm LONG OR TO LOWEST BRANCH, EXCEPT IN SWM PONDS AND NATURALIZATION AREAS WHERE IT IS TO BE WHITE SPIRAL PLASTIC TREE GUARD.
9. STAKES AND TIES SHALL BE REMOVED 1 YEAR AFTER PLANTING.
10. TRUNK PROTECTION SHALL BE REMOVED AT COMPLETION OF WARRANTY PERIOD.
11. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND OFFSITE DISPOSAL OF EXCAVATED MATERIAL FROM PLANTING BED CONSTRUCTION AND TREE PIT EXCAVATION.
12. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND OFFSITE DISPOSAL OF EXCAVATED MATERIAL FROM TREE PIT, SHRUB HOLE, AND PLANTING BED CONSTRUCTION.

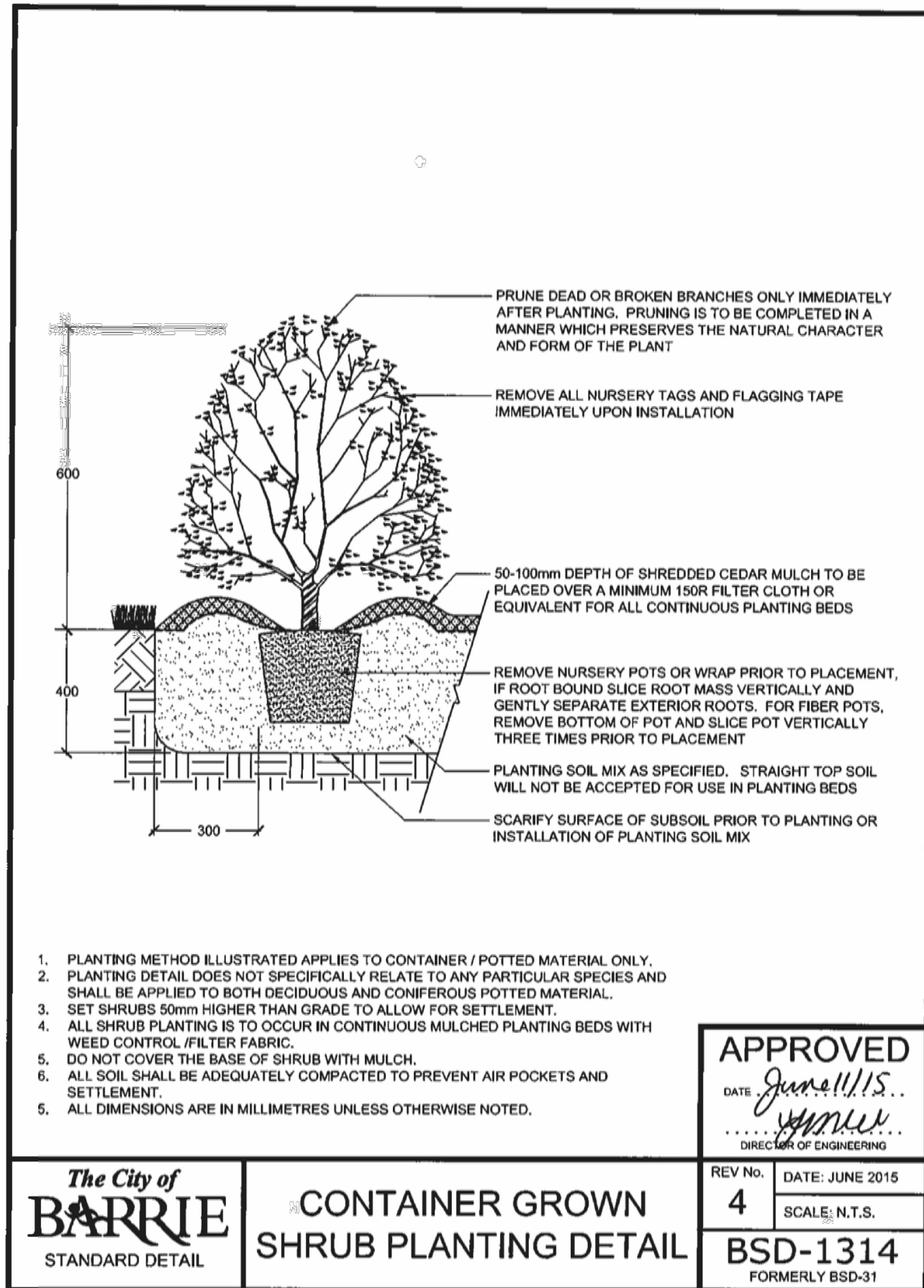
2.0 SODDING

1. SODDING SHALL BE IN ACCORDANCE WITH OPSS.MUNI 803, UNLESS OTHERWISE SPECIFIED.
2. SOD SHALL BE NUMBER ONE GRADE TURFGRASS NURSERY SOD WITH A KENTUCKY BLUEGRASS SOD CLASSIFICATION.
3. SOD ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.
4. SOD SHALL BE GROWN AND SOLD IN ACCORDANCE WITH THE 'SPECIFICATIONS FOR TURFGRASS SOD FOR ONTARIO' PUBLISHED BY THE NURSERY SOD GROWERS ASSOCIATION (N.S.G.A.) AND SHALL BE ESPECIALLY SOWN AND CULTIVATED IN NURSERY FIELDS AS TURFGRASS CROP.
5. SODDING MAY BE PERFORMED AT ANY TIME BETWEEN APRIL 30 AND NOVEMBER 1. IF SOD IN LAID FOLLOWING NOVEMBER 1, ACCEPTANCE WILL BE DEFERRED UNTIL ONE MONTH AFTER START OF GROWING SEASON, PROVIDED ACCEPTANCE CONDITIONS ARE FULFILLED.
6. LAY SOD WITHIN 36 HOURS OF BEING LIFTED OR WITHIN 24 HOURS OF BEING LIFTED IF AIR TEMPERATURE EXCEEDS 20°.
7. ALL SODDING SHALL OCCUR WITHIN A WEEK OF TOPSOIL PLACEMENT AND FINISHED GRADING. THE CONTRACTOR WILL BE RESPONSIBLE FOR WEED ERADICATION IF THEY FAIL TO PLACE THE SPECIFIED SOD WITHIN THIS PERIOD.
8. DURING WET WEATHER ALLOW SOD TO DRY SUFFICIENTLY TO PREVENT TEARING DURING LIFTING AND HANDLING.
9. DURING DRY WEATHER, PROTECT SOD FROM DRYING OUT AND WATER SOD AS NECESSARY TO ENSURE ITS VITALITY AND PREVENT DROPPING OF SOIL. IN HANDLING, DRY SOD WILL BE REJECTED.
10. ENSURE FINISHED SOD SURFACE IS FLUSH WITH ADJOINING GRASS AREAS, PAVEMENT OR TOP SURFACE OF CURBS.
11. ON SLOPES, LAY SOD SECTIONS LONGITUDINALLY ALONG CONTOURS AND START LAYING SOD AT THE BOTTOM OF THE SLOPE.
12. PEG SOD ON SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL, 100mm BELOW TOP EDGE AT 200mm ON CENTER FOR FIRST SOD SECTIONS ALONG CONTOURS OF SLOPES AND NOT LESS THAN 4 PEGS PER SQUARE METER WITH PEGS DRIVEN TO 50mm ABOVE SOIL SURFACE OF SOD SECTIONS.
13. SOD STAKING SHALL BE WITH WOODEN PEGS AT 17 X 8 X 200mm, OR APPROVED EQUAL.
14. WATER SOD IMMEDIATELY AFTER LAYING TO OBTAIN MOISTURE PENETRATION INTO TOP 100mm OF TOPSOIL.
15. PROVIDE CLOSE CONTACT BETWEEN THE SOD AND THE UNDERLYING ROOT ZONE MIX BY ROLLING WITH A LIGHT ROLLER. IMPERFECTIONS IN THE SURFACE LEVEL SHOULD BE CORRECTED PRIOR TO THE LAYING OF THE SOD AND NOT BY ROLLING WITH A HEAVY ROLLER. USE OF HEAVY ROLLER TO CORRECT GRADE IRREGULARITIES IS NOT PERMITTED.
16. MAINTENANCE DURING THE ESTABLISHMENT PERIOD SHALL CONSIST OF BUT NOT BE LIMITED TO WATERING IN SUFFICIENT QUANTITIES AND AT REQUIRED FREQUENCY TO MAINTAIN CONTINUOUS SUBSOIL MOISTURE IMMEDIATELY UNDER SOD TO A DEPTH OF 75-100mm. ROLLING TO REMOVE MINOR DEPRESSIONS OR IRREGULARITIES. WEED CONTROL TO ENSURE THAT NON-SPECIFIED VEGETATION SHALL NOT EXCEED 5%, AND MOWING AT LEAST TWICE TO MAINTAIN GRASS AT 40MM HEIGHT (AFTER GRASS REACHED 60MM HEIGHT).
17. REMOVE WOODEN SOD PEGS AFTER SOD HAS ESTABLISHED WITH APPROVAL OF THE CONSULTANT.



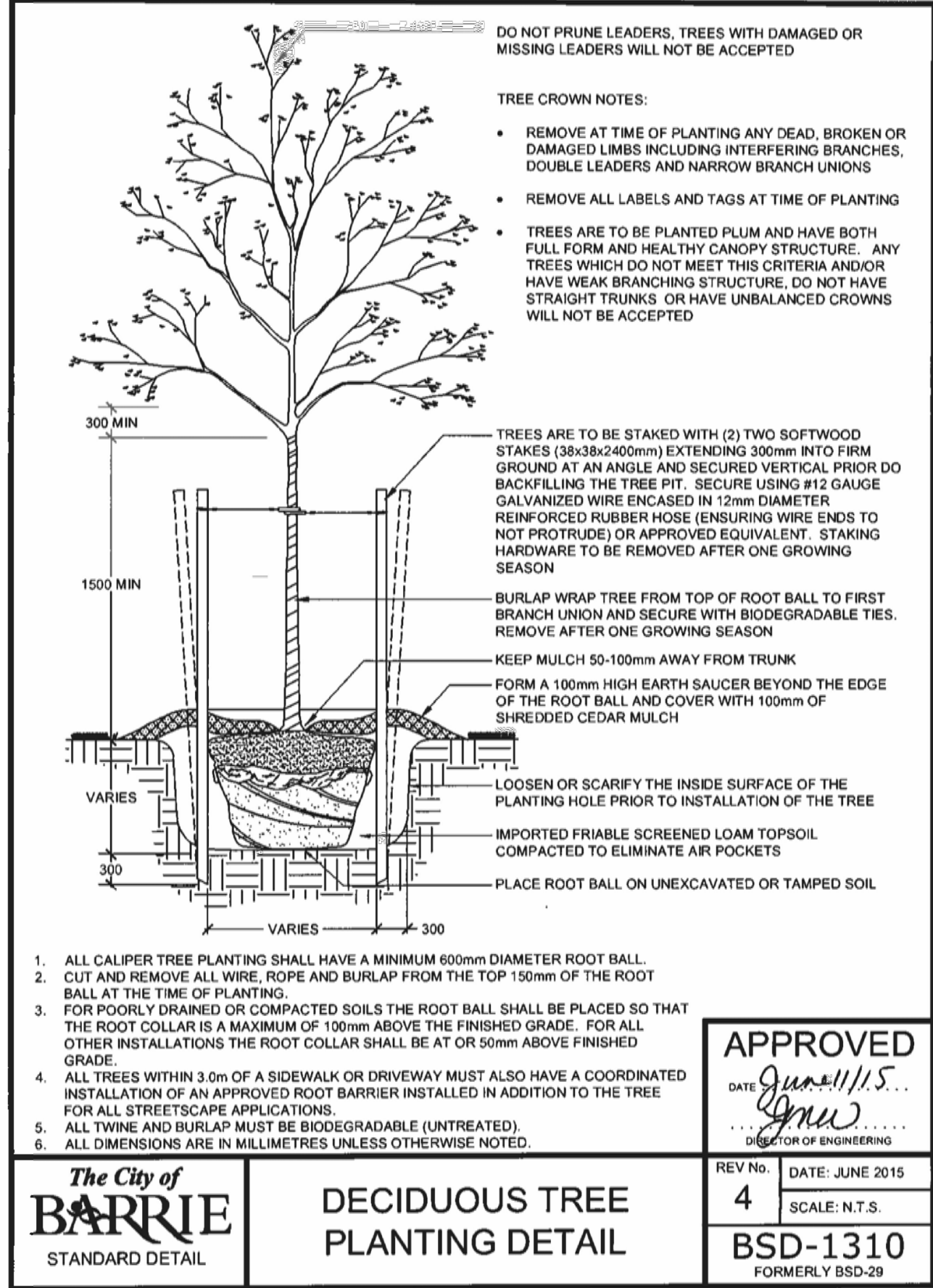
1 LD2 LIMIT OF TREE PRESERVATION FOR DEVELOPMENT APPROVALS

NTS



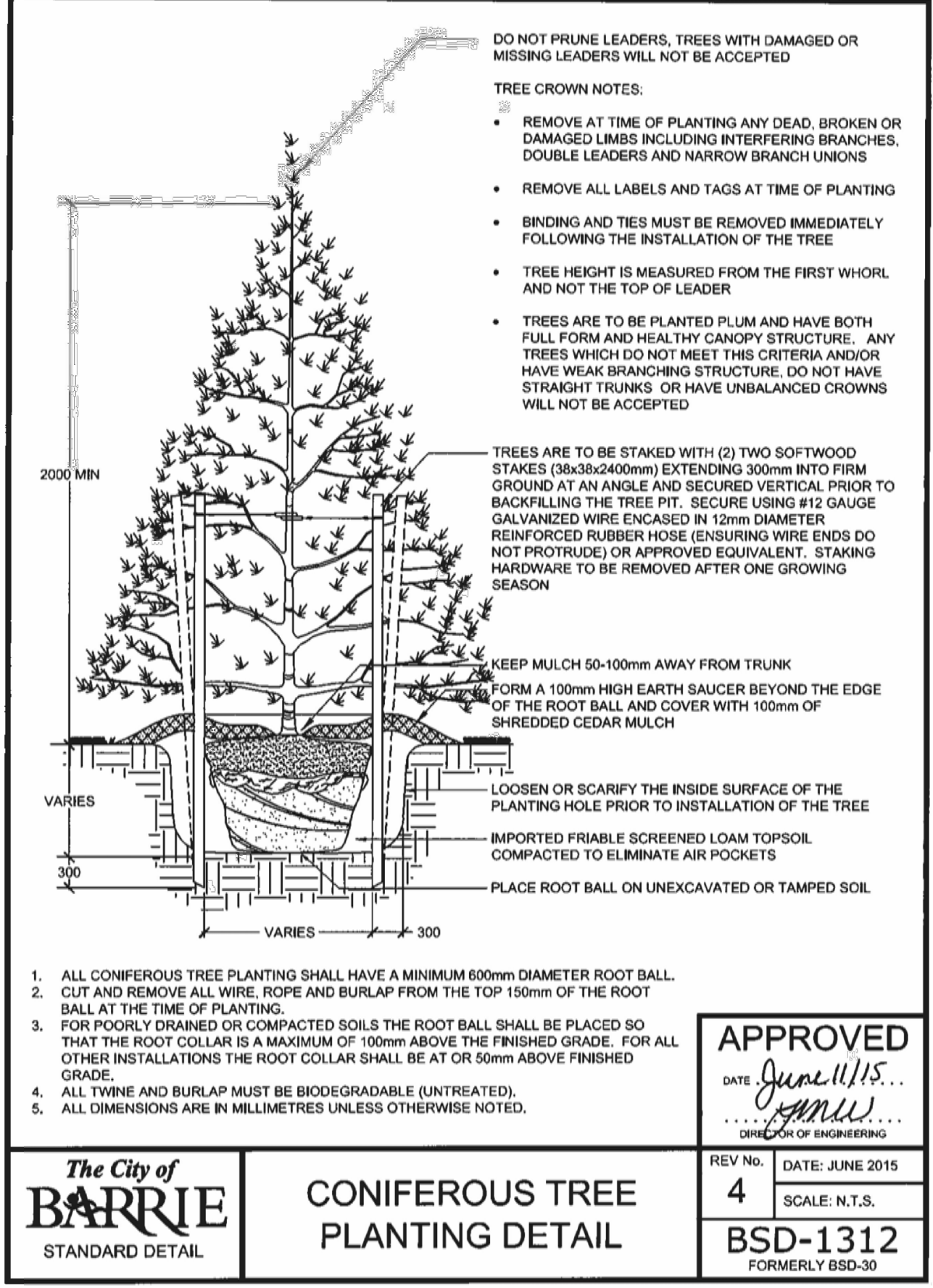
4 LD2 SHRUB PLANTING DETAIL

NTS



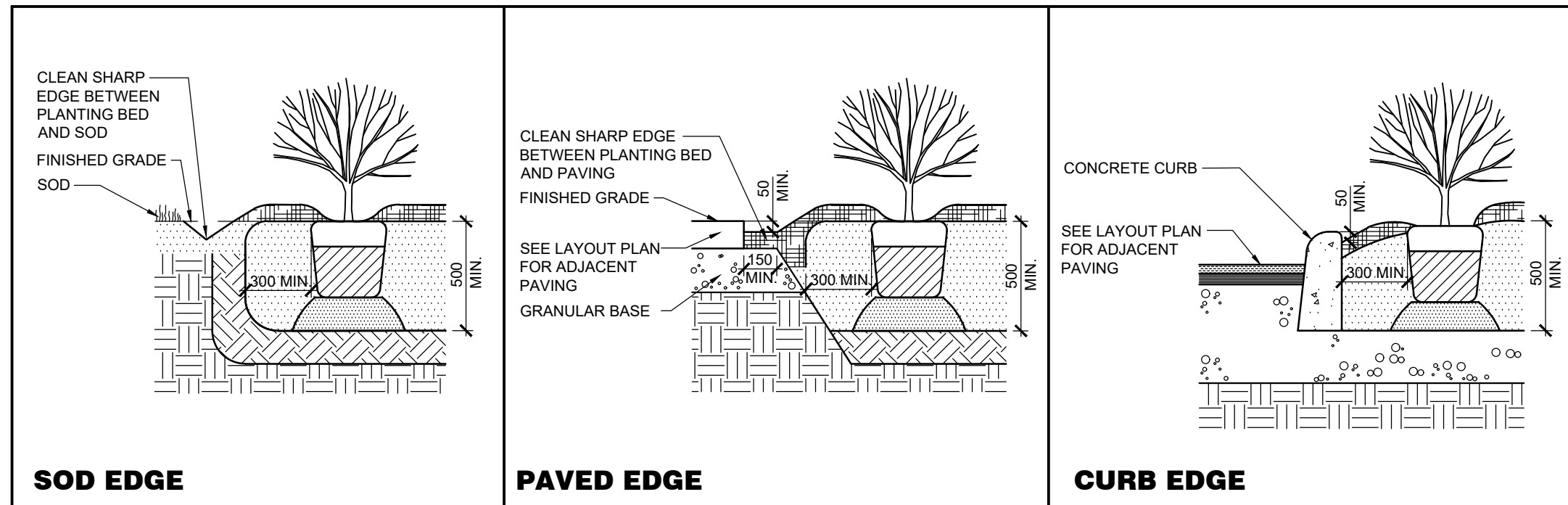
2 LD2 DECIDUOUS TREE PLANTING DETAIL

NTS



3 LD2 CONIFEROUS TREE PLANTING DETAIL

NTS



5 LD2 MULCHED PLANTING BED

NTS

CONTRACT DRAWINGS

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.

ENVISION-TATHAM CLAIMS COPYRIGHT TO THIS DOCUMENT WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE LANDSCAPE ARCHITECT WITHOUT THE EXPRESS CONSENT OF ENVISION-TATHAM

NOTES	
1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.	

5.	REVISED AS PER CITY COMMENTS	2019/06/27	AB
4.	REVISED AS PER CITY COMMENTS	2019/06/06	AB
3.	SECOND SUBMISSION	2018/12/18	AB
2.	FIRST SUBMISSION	2018/05/28	AB
1.	CLIENT REVIEW	2018/05/02	AB
NO.	REVISIONS	DATE	INITIAL

APPROVED
ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO JUN 27/19 MEMBER

**REDWOOD PARK COMMUNITIES
FAMILY EMERGENCY HOUSING
CITY OF BARRIE**

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