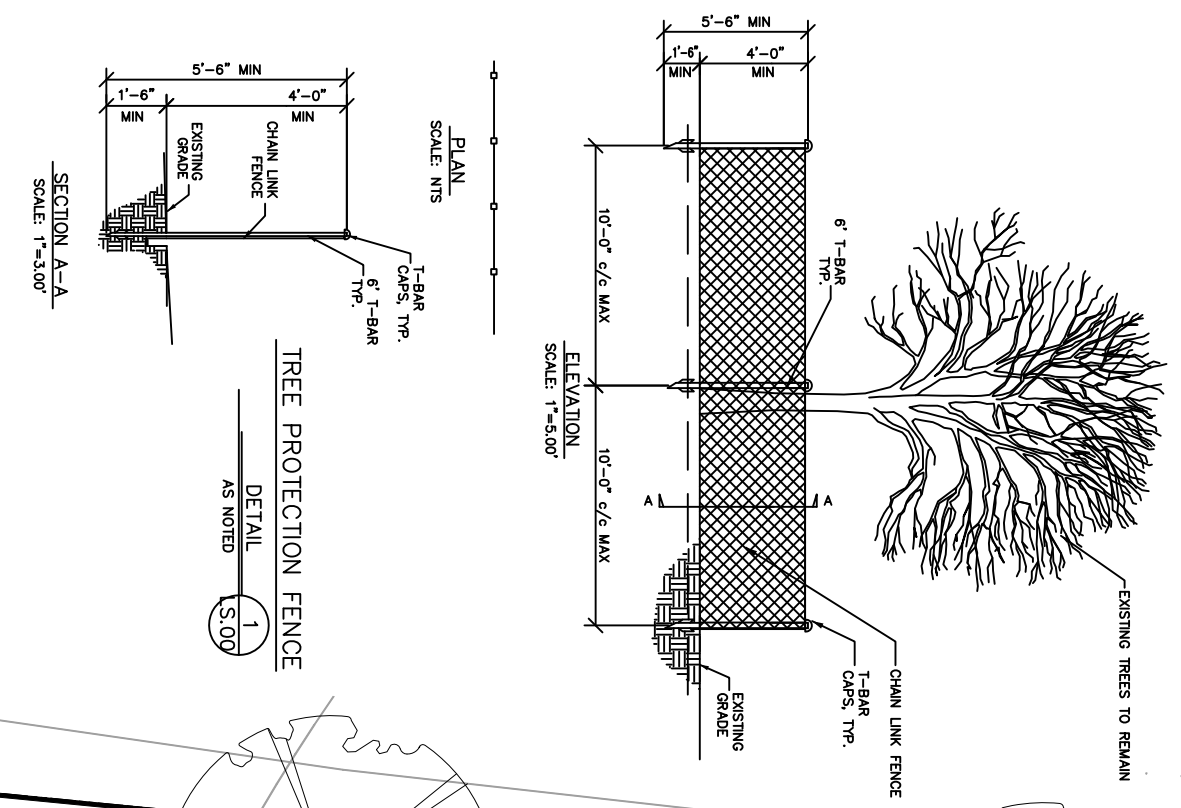


- Buffer A-3-5
Required Plants:
5- 2" cal. min. Canopy
2- 2" cal. min. Understory
16- Shrubs 5' mature height
50% Must be Evergreen
6' Wooden Opaque Fence
(14.24.240)

NOTES:
All plant material shall consist of recommended species listed in the Urban Forestry Recommended and Prohibited Tree and Shrub List. Alternative replacement trees may be allowed, subject to approval of the Urban Forester, provided that such trees are not listed on the most recent edition of the Tennessee Invasive Exotic Plant List.

17.24.020 - Landscape plan required. The plan shall show location, size, spacing, species, form and quality of all existing and proposed materials intended to fulfill the requirements of this chapter. The plan shall also show topography, location of all utilities, and either an under-ground sprinkler system or hose bib attachments.

Section 17.24.090.B - Retention of trees
Any tree with a diameter at breast height (DBH) of twenty-four inches (24") or more or that qualifies as a heritage tree under Section 17.40.450.B of this title, shall be surveyed located and depicted on the final site plan.



- Buffer C-3-20'
Required Plants:
5- 2" cal. min. Canopy
3- 2" cal. min. Understory
19- Shrubs 5' mature height
50% to be Evergreen
(17.24.240)

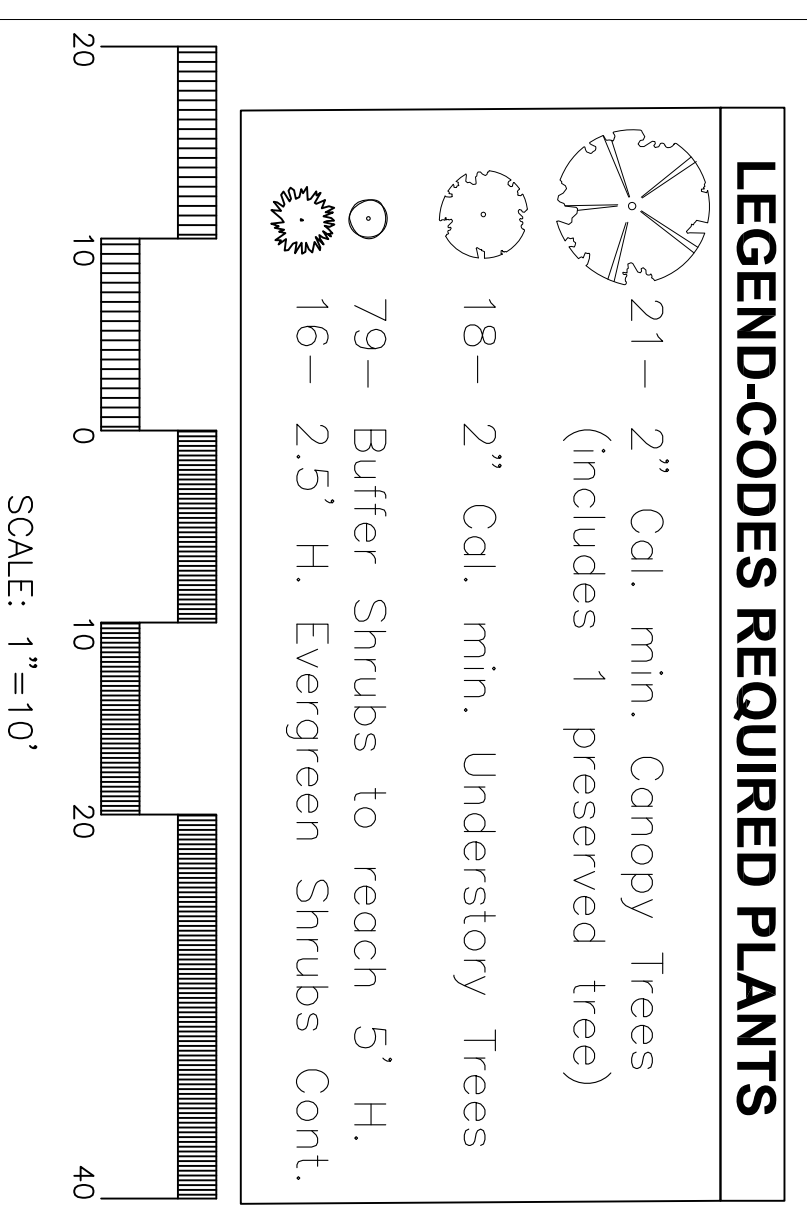
18" Preserved Canopy Tree
Tree Protection Fence per Metro-Ordinance 17.24.110 prior to grading and construction.

Watering Notes:
Plants to be watered by either-

1. An underground sprinkler system;
 2. An outside hose attachment within one hundred feet of all landscaping.
- Drawings shall define which option.

Fontage Street Tree
Requirements:
2" cal. min. trees 30' oc
7'- required
Understory species to not conflict with overhead power lines.
(17.24.110 B.b.ii)

Buffer C-2-25'
Required Plants:
11- 2" cal. min. Canopy
6- 2" cal. min. Understory
44- Shrubs 5' mature height
50% to be Evergreen
(17.24.240)



TREE DENSITY UNIT (TDU) WORKSHEET (Ordinance 94.1104) REV: 2019

Name	Parcel	17.18
Application Number		(-) 0.32
Project Name		(-) 31.86
Address		(X) 22
		(-) 18.82

1. Average (area of parcel including building ft/sq)
2. Minus Building Coverage Area
3. Equals Adjusted Acreage
4. Multiply by Required Tree Density Unit per acre
5. Required TDU for Project

REPLACEMENT TREES REQUIRED

DBH	# of Trees	Value	TDU
30"	0	0	0
18"	0	0	0
14"	0	0	0
12"	0	0	0
10"	0	0	0
8"	0	0	0
6"	0	0	0
4"	0	0	0
total	0	0	0

REPLACEMENT TREES - LARGE & MEDIUM CANOPY TREES

DBH	# of Trees	Value	TDU
30"	0	0	0
24"	0	0	0
20"	0	0	0
18"	0	0	0
16"	0	0	0
14"	0	0	0
12"	0	0	0
10"	0	0	0
8"	0	0	0
6"	0	0	0
4"	0	0	0
total	0	0	0

REPLACEMENT TREES - SMALL UNDERSTORY TREES

DBH	# of Trees	Value	TDU
30"	0	0	0
24"	0	0	0
20"	0	0	0
18"	0	0	0
16"	0	0	0
14"	0	0	0
12"	0	0	0
10"	0	0	0
8"	0	0	0
6"	0	0	0
4"	0	0	0
total	0	0	0

6 Total TDU Required on-site
7 Total TDU for Replacement Trees- On-site
8 Total Credits Paid to Tree Mitigation Bank
9 Total Density Units Provided
The total density units provided (line 9) must equal or exceed the requirements of line 5 above.

PROTOTYPICAL PLANT SCHEDULE REQUIRED PLANTS

QTY	Latin ID	Botanical Name	Common Name	Caliper	Height	Spread	Ball diam.	O.C.	Comments
5	Es		LARGE AND MEDIUM CANOPY TREES		2' min				
2	Es		LARGE & MEDIUM COLUMNAR CANOPY TREES AND UNDERSTORY TREE		2' min				
16	Es		SHRUBS 5' mature height						
11	Es		LARGE AND MEDIUM CANOPY TREES		2' min				
6	Es		LARGE & MEDIUM COLUMNAR CANOPY TREES AND UNDERSTORY TREE		2' min				
10	Es		SHRUBS 5' mature height						
5	Es		LARGE AND MEDIUM CANOPY TREES		2' min				
5	Es		LARGE & MEDIUM COLUMNAR CANOPY TREES AND UNDERSTORY TREE		2' min				
10	Es		SHRUBS 5' mature height						
7	Es		FRONTAGE TREES - 1st row 3'						
7	Es		FRONTAGE TREES						
16	Es		FRONTAGE SHRUBS - 2' Evergreen shrubs continuous						

LANDSCAPE NOTES:
Site Preparation contractor shall verify the location of all utilities and take precautions to prevent damage to these utilities.
2. The landscape contractor shall coordinate all aspects and shall be responsible for all damaged to utilities.
3. Plant materials and stumps indicated for removal shall be removed and disposed off-site by the contractor.
4. The landscape contractor shall be responsible for the grading of all planting areas on sites shall submit copies of certification(s) and licenses to the landscape architect.
6. planting beds shall be cleared of grass and weeds
7. Sod all areas disturbed by construction and not designated as ground cover areas.
Topsoil
1. All planted areas to have a minimum of 6" of quality topsoil.
2. All decomposed or less to be derided and amended as follows:
3. Topsoil is to be natural, fertile, friable, productive soil, neither excessively acid nor alkaline, and free from rocks, stones, twigs, debris and construction material.
Planting
1. All planting beds or mulch beds shall be free of weeds prior to the installation of mulch.
2. The optimum time for planting is from October 1 to April 1. Scheduling for planting at other times must be approved by the Urban Forester.
3. Upon securing plant material and before installation, the contractor shall notify the landscape architect for a pre-installation inspection in order to verify all plant materials are of the correct species and all plant materials shall be matched in growth character and uniformly.
4. Plants shall be oriented for best appearance and removed All non-biodegradable root containers shall be removed by 25% maintaining natural shape. All dead or damaged plants shall be removed and replaced with new material. Remove tops, twigs or other non-biodegradable material within one hour of installation.
Watering
1. All trees and shrubs shall be thoroughly watered within one hour of installation.
Plant Materials
1. The landscape contractor shall verify all material shown on the plan will take precedence.
2. All plant materials to be nursery grown and to comply with Metro Ordinance 17.24.110 B.b.ii - Latest edition for size and quality.

REMOVED TREES

DBH	# of Trees	Value	TDU
6"	0	0	0
8"	0	0	0
10"	0	0	0
12"	0	0	0
14"	0	0	0
16"	0	0	0
18"	0	0	0
20"	0	0	0
24"	0	0	0
30"	0	0	0
total	0	0	0

REPLACEMENT TREES - LARGE & MEDIUM CANOPY TREES

DBH	# of Trees	Value	TDU
30"	0	0	0
24"	0	0	0
20"	0	0	0
18"	0	0	0
16"	0	0	0
14"	0	0	0
12"	0	0	0
10"	0	0	0
8"	0	0	0
6"	0	0	0
4"	0	0	0
total	0	0	0

REPLACEMENT TREES - SMALL UNDERSTORY TREES

DBH	# of Trees	Value	TDU
30"	0	0	0
24"	0	0	0
20"	0	0	0
18"	0	0	0
16"	0	0	0
14"	0	0	0
12"	0	0	0
10"	0	0	0
8"	0	0	0
6"	0	0	0
4"	0	0	0
total	0	0	0

EXAMPLES but not limited to:
Deciduous- Oak, Maple, Poplar, Pinetree, Ginkgo
Evergreen- Am. Holly, So Magnolia, Pine, Hemlock, Spruce, Cedar
Measure height greater than 30'

EXAMPLES but not limited to:
Columnar (Fraser) Deciduous- Spindle Tree, Redwood
Evergreen- Japanese Maple, Japanese Spindle Tree, Japanese Cherry, Japanese Magnolia, Japanese Maple
Understory Evergreen- Dwarf Magnolia, Hybrid Holly, Cherry Laurel (tree form)
Measure height less than 30' or less.
Small Understory Columnar varieties relative to TDU credit

All retained and replacement trees must be shown on the plan. Trees with 600 c.f.t. root volume and less are designated TDU credit.

3. Only grade "X" type plants will be accepted. Plants that are inferior or damaged will not be accepted.
4. Any plants that are damaged or destroyed by construction shall be replaced as soon as site conditions permit. The contractor shall be responsible for the removal and disposal of all debris and shall be responsible for the removal and disposal of all debris.
5. All trees shall be first quality representatives of their species and shall meet all requirements otherwise stipulated. The landscape architect reserves the right to reject any plants that are inferior or damaged in the field, at the grading site or on the job site.
Multiple
1. All planting beds or mulch beds shall have weeds removed prior to the installation of mulch.
2. All planting beds shall have a minimum of 3" depth of mulch.
3. Contractors shall provide smooth, neatly trenched 3 inch deep, bed edges.
4. Mulch shall not contact "coker" bark of base of trees. Mulch shall not contact "coker" bark of base of trees.
Plant Maintenance
1. Existing trees to remain shall be protected from construction damage.
2. The contractor shall be responsible to protect existing trees that are to remain. No heavy equipment or materials shall be permitted to operate or be stored within the drip-line of the trees outside the limit of the tree protection fencing.
3. The contractor shall provide the owner with written instructions on the proper care of all specified plant materials prior to final payment.
Tree Protection
1. Existing trees to remain shall be protected from construction damage.
2. The contractor shall be responsible to protect existing trees that are to remain. No heavy equipment or materials shall be permitted to operate or be stored within the drip-line of the trees outside the limit of the tree protection fencing.
Steps:
a. Install tree protection fencing in accordance with Metro code 17.24.110. Protection of trees during construction.
b. Place fence post and fencing at the tree drip line or 10 feet from trunk, whichever is greater.
c. Post shall not be spaced more than 10 feet apart.
4. Fencing and signs shall remain in place until the site has been inspected by urban forester for use and occupancy permit.

NAME OF PRIME
SUBCONSULTANT

NAME AND
LOCATION

SEAL

CONSTRUCTION
DOCUMENTS

REVISIONS:
PROJECT NUMBER:
DATE:
SHEET TITLE:
Urban Forestry Submittal

DRAWING NUMBER:
LS-00