

SPREAD

<u>SPREAD</u>

18-21"

27-30"

24"

10-12'

10`-12` 3-4

10-12' 4-5'

36"

<u>REMARKS</u>

SPACING REMARKS

36" o.c.

36" o.c.

36" o.c.

72" o.c.

Multi stem - 1 STEM MIN 2" CAL.

<u>CAL</u>

B & B

B & B

B & B

B & B

#3 Cont.

#3 Cont.

#3 Cont.

B & B

B & B

TREE DENSITY (TDU) WORKSHEET

Date		4/14/2020
Мар	Parcel	
Application Numb	er	
Project Name	Haynie Ave Warehouse	
Address 411, 413	, 417 Haynie Ave Nashville, TN	

(-) 0.46

0.84

amily and 1

10"

14"

18"

RETAINED TREE(S)

DBH # of Trees Value

x1.8 x2.4

x3.0

x3.6

x4.2 x4.8

x5.4 x6.0 x8.4

REPLACEMENT TREE(S) - LARGE & MEDIUM

COLUMNAR, SMALL UNDERSTORY TREES &

TDU

8.4

add total to line 6

total 8.4

1 Acreage (area of parcel including building site

2 Minus Building Coverage Area

3 Equals Adjusted Acreage

4 Multiply by Required Tree Density Unit per acre choose one

5 Required TDU for Project

DBH	# of Trees	Value	TDU
8"		x3.2	0
10"		x4.0	0
12"		x4.8	0
14"		x5.6	0
16"		x6.4	0
18"		x7.2	0
20"		x8.0	0
22"		x8.8	0
24"		x9.6	0
*Greater th	an 24" equals DBH	l x .5 per inch	
		total	0

REPLACEMENT TREE(S) - LARGE & MEDIUM

CANOPY TREES						
DBH	# of Trees	Value	TDU			
2"	22	x0.5	11			
3"		x0.6	0			
4"		x0.7				
total 11						
add total to line 7						
EXAMPLES but not limited to:						

Deciduous - oak, maple, poplar, planetree, ginko

Evergreen - am. Holly, southern magnolia, pine, hemlock, spruce, cedar

Mature height greater than 30'

20 x0.25 x0.3 x0.4 add total to line EXAMPLES but not limited to:

DBH # of Trees Value

Columnar (fastigiate) - deciduous: slender silhouette sweetgum, arnold tulio poplar, Understory deciduous - rosebud, dogwood, flowering cherry, japanese maple, **Understory evergreen** - dwarf magnolia, hybrid holly, cherry laurel (tree form)

Mature height average 30' or less nall understory columnar varieties receive no TDU cred

6 Total TDU Retained on-site

7 Total TDU for Replacement Trees on-site

8 Total Credits Paid to Tree Mitigation Bank

9 Total Density Units Provided

(=) 24.4 total must exceed line 5 The total density units provided (line 9) must equal or exceed the requirements of line 5 above.

add total to line 6

All Retained and Replacement Trees must be shown on site plan.

Trees not protected in accordance with 17.24.110 - Protection of trees during development activities, cannot be counted towards TDU. *Street trees with 600 c.f. root volume or less receive lesser TDU credit.

BIORETENTION AREA LEVEL 2 BIORETENTION AREA - 1298X.75 = 974 S.F.

• SHRUBS - 3 GAL 1/15 S.F. = 65

• TREES 2" CAL. 1/400 S.F. = 3

MAINTENANCE ACTIVITIES:

- MOWING OF GRASS FILTER STRIPS AND BIORETENTION TURF COVER - 4 TIME A YEAR
- SPOT WEEDING, EROSION REPAIR TRASH REMOVAL, AND MULCH RAKING - TWICE DURING GROWING SEASON
- ADD REINFORCEMENT PLANTING TO ACHIEVE DESIRED VEGETATION DENSITY - AS NEEDED
- REMOVE INVASIVE PLANTS USING RECOMMENDED CONTROL METHODS - AS NEEDED
- STABILIZE THE CONTRIBUTING DRAINAGE AREA TO PREVENT EROSION - AS NEEDED
- SPRING INSPECTION AND CLEANUP ANNUALLY
- SUPPLEMENT MULCH TO MAINTAIN A 3" LAYER- ANNUALLY
- PRUNE TREES AND SHRUBS ANNUALLY
- REMOVE SEDIMENT IN PRE-TREATMENT CELLS AND INFLOW POINTS - ONCE EVERY 2-3 YEARS
- REPLACE THE MULCH LAYER EVERY 3 YEARS

NOTES:

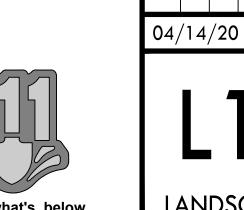
ALL PLANT MATERIAL SHALL CONSIST OF RECOMMENDED SPECIES LISTED IN THE URBAN FORESTRY RECOMMENDED AND PROHIBITED TREE AND SHRUB LIST. ALTERNATIVE REPLACEMENT TREES MAY BE ALLOWED, SUBJECT TO APPROVAL OF THE URBAN FORESTER, PROVIDED THAT SUCH TREES ARE NOT LISTED IN THE MOST RECENT EDITION OF THE TENNESSEE INVASIVE EXOTIC PLANT LIST.

17.24.020 - LANDSCAPE PLAN REQUIRED. THE PLAN SHALL SHOW LOCATION, SIZE, SPACING, SPECIES, FORM AND QUANTITY OF ALL EXISTING AND PROPOSED MATERIALS INTENDED TO FULFILL THE REQUIREMENTS OF THIS CHAPTER. THE PLAN SHALL ALSO SHOW TOPOGRAPHY, LOCATION OF UTILITIES, AND EITHER AN UNDERGROUND SPRINKLER SYSTEM OR HOSE BIB ATTACHMENTS.

ANY TREE WITH A BREAST HEIGHT DIAMETER (DBH) OF TWENTY-FOUR INCHES (24") OR MORE, OR THAT QUALIFIES AS A HERITAGE TREE UNDER

ON THE FINAL SITE PLAN. WATERING NOTES:

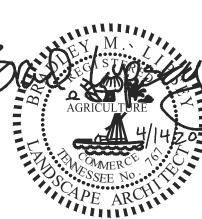




ENGINEERING

CRUNK **ENGINEERING**





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17.24.090.B - RETENTION OF TREES SECTION 17.40.450.B OF THIS TITLE, SHALL BE SURVEY LOCATED AND DEPICTED

PLANTS TO BE WATERED BY AN AUTOMATIC IRRIGATION SYSTEM



LANDSCAPE PLAN

TREES

CODE QTY BOTANICAL NAME

Quercus nuttallii

Acer x freemanii `Armstrong'

Betula nigra ' Heritage'

Malus x 'Prairiefire'

BOTANICAL NAME

Hypericum prolificum

Ilex glabra 'Compacta'

llex verticillata

COMMON NAME

October Glory Red Maple

Heritage River Birch

Prairiefire Crabapple

COMMON NAME

Compact Inkberry

Winterberry Holly

Arrowwood Viburnum

Allegheny Viburnum

Shrubby St. John's Wort

Nuttall Oak