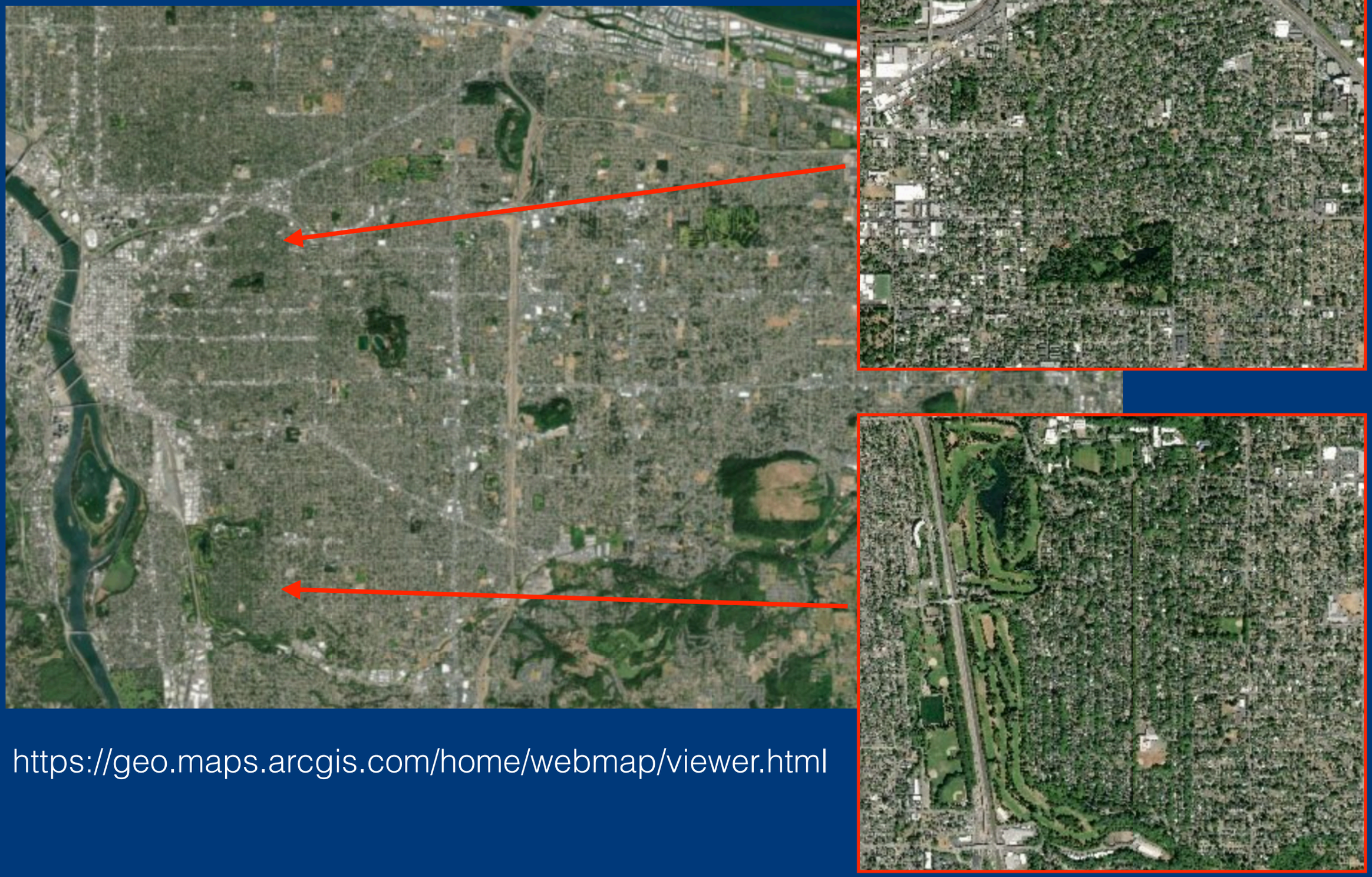
Inventory Report - 2018

Maintaining the Street Tree Canopy Will be Challenging

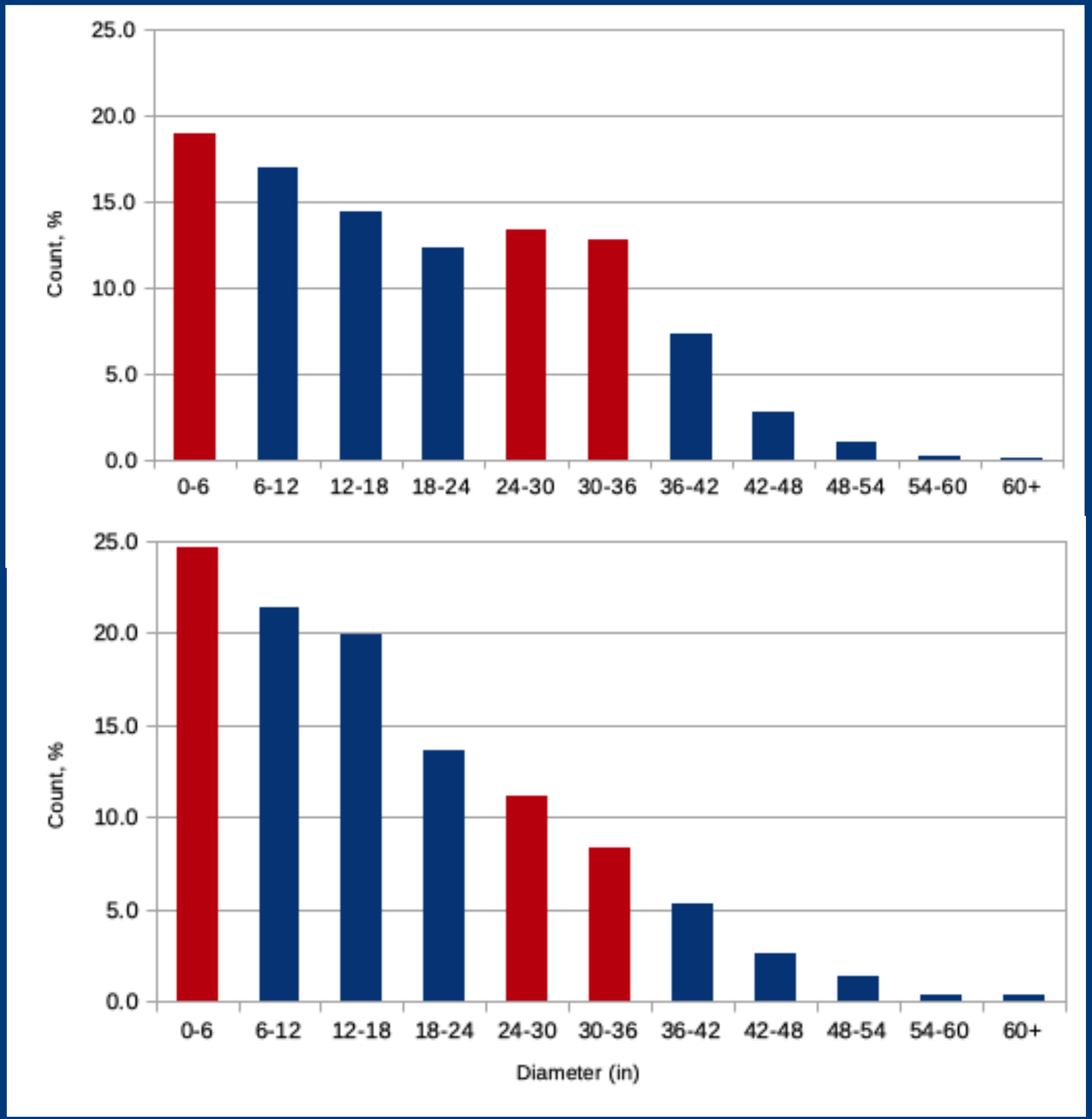
Satellite Image East Side PDX



https://geo.maps.arcgis.com/home/webmap/viewer.html

Street Tree Size Distribution

Eastmoreland

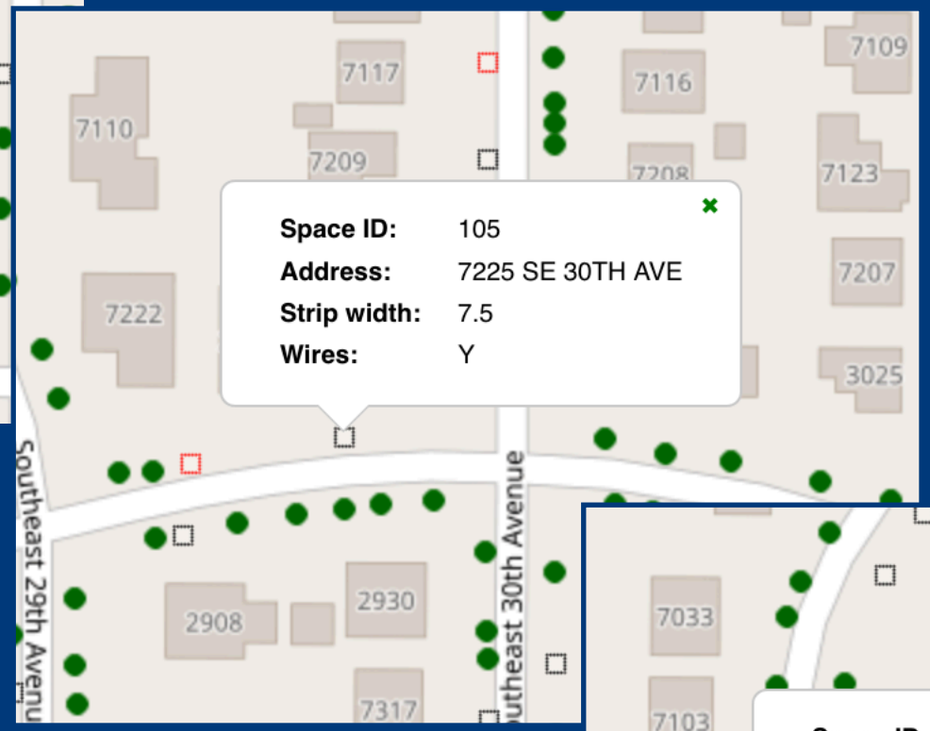


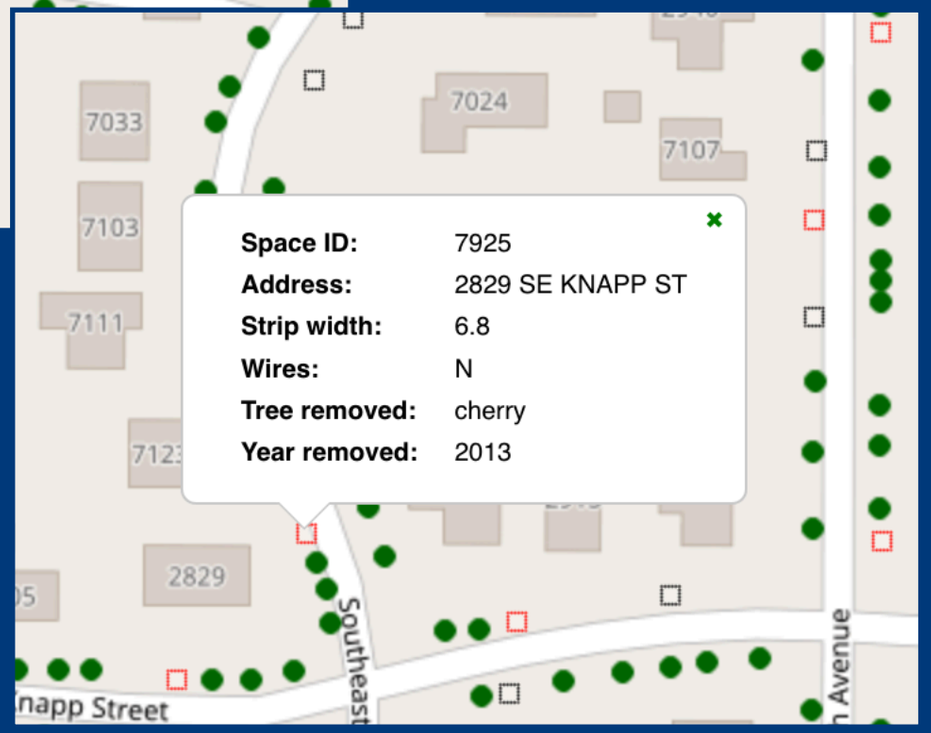
Laurelhurst

Street Tree Inventory - 2018

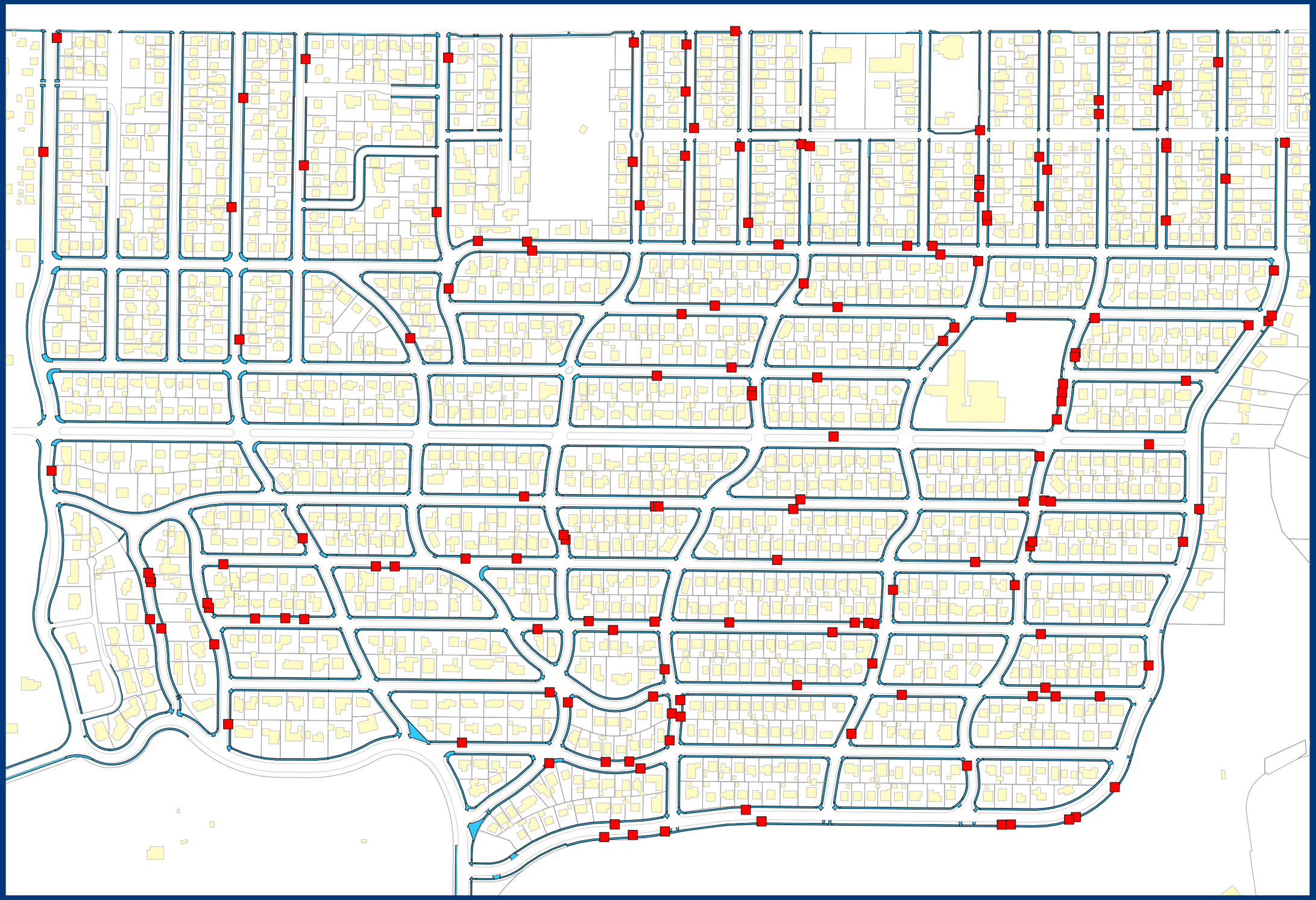
- Street trees and available spaces were inventoried in 2011 by Urban Forestry with the help of many volunteers.
- The inventory was updated in 2014, 2016, and 2018 by the Eastmoreland Tree Committee.
- The diameter (dbh) and condition of individual trees have not been updated. Significant for young trees.
- Planting and removal years may be approximate.
- Information for all street trees is available on the Listing tab of streettrees.eastmorelandpdx.org.

Website, Map Tab Pop-up Examples





Vacated Spaces (2011-2017), Count = 158



American Elms: Existing 177, Removed 61

Map | Listing | Help Us | Events | Plant-Prune-Remove | Rating Trees

Information about all Eastmoreland street trees, existing and removed since the 2011 inventory, can be retrieved below. Use the search options to isolate your trees or others of interest. If our information is incorrect, please take note of the Tree ID and send us a message by means of the **Help Us** tab.

Address [ ] Apply
Common Name [elm, am] Clear
Wires [---]
Include in listing: [Only existing trees]

You can reduce the number of listed trees by specifying any part of the address or common name. For example, entering "wo" in the Address field and "cas" in the Common Name field will reduce the list to all cascaras and 'Cascade Snow' cherries associated with houses on SE Woodstock Ave. Wires refers to overhead high voltage lines -- look for transformers and ceramic insulators connected to the top wire(s). You can find information about removed trees by choosing one of the two options for removed trees in the dropdown selector By default, the trees are listed ordered by address. You can change the ordering, ascending or descending by clicking on the column headings.

Tree ID	Address
16514	2425 SE BYBEE B
16515	2425 SE BYBEE B
16516	2425 SE BYBEE B
16517	2425 SE BYBEE B
16518	2425 SE BYBEE B
16519	2425 SE BYBEE B
16523	2425 SE BYBEE B
16525	2425 SE BYBEE B
1012	2425 SE BYBEE B
	BYBEE B

1 - 25 of 177 results

Map | Listing | Help Us | Events | Plant-Prune-Remove | Rating Trees

Information about all Eastmoreland street trees, existing and removed since the 2011 inventory, can be retrieved below. Use the search options to isolate your trees or others of interest. If our information
please take note of the Tree ID and send us a message by means of the **Help Us** tab.

Address [ ] Apply
Common Name [elm, am] Clear
Wires [---]
Include in listing: [Only removed trees]

You can reduce the number of listed trees by specifying any part of the address or common name. For example, entering "wo" in t
field and "cas" in the Common Name field will reduce the list to all cascaras and 'Cascade Snow' cherries associated with houses
Woodstock Ave. Wires refers to overhead high voltage lines -- look for transformers and ceramic insulators connected to the top w
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listed ordered by address. You can change the ordering, ascending or descending by clicking on the column headings.

Tree ID	Address	Common Name	Diameter (in)	Health	Strip	Wires	Planted**	Removed	Note	Code
16522	2425 SE BYBEE BLVD	elm, American	22.7	Poor	13.0	N		2017		UL
16492	2425 SE BYBEE BLVD	elm, American	36.0	Fair	13.0	N		2013	Eastmoreland Golf Course. Removed between 2011 and 2014, defaulting to 2013.	UL
16499	2425 SE BYBEE BLVD	elm, American	42.0	Good	13.0	N		2017	Eastmoreland Golf Course across from 7936 SE 27th Ave	UL
7917	2805 SE KNAPP ST	elm, American	41.0	Fair	7.7	Y		2013	Removed between 2011 and 2014, defaulting to 2013.	UL
11759	2830 SE KNAPP ST	elm, American	36.0	Good	7.5	N		2015	DED	UL
11809	2908 SE KNAPP ST	elm, American	49.0	Fair	7.5	N		2014		UL
8069	2909 SE LAMBERT ST	elm, American	31.4	Fair	7.0	N		2015		UL
7727	2909 SE MARTINS ST	elm, American	37.5	Poor	7.5	N		2011	dutch elm disease	UL

1 - 25 of 61 results

« ‹ 1 2 3 ›

Recommended Trees, N-S, E-W

ap | Listing | Help Us | Events | Plant-Prune-Remove | Rating Trees

Recommended Trees for North-South Streets

Common Name of Tree	Genus, Species (Family)	Height x Width (note)
8' & wider strip, no high-voltage wires		
Dawn Redwood	*Metasequoia glyptostroboides* (Cupressaceae Sequoiodeae)	75 x 30'
Douglas Fir	*Pseudotsuga menziesii* (Pinaceae)	100 x 40'
Hogan Cedar	*Thuja plicata 'Hogan'* (Cupressaceae)	100 x 20'
8' & wider strip with high-voltage wires (same entries as 6 - 8' strip with high-voltage wires)		
Chinese Pistache	*Pistacia chinensis* (Anacardiaceae)	30 x 30'
Persian Ironwood	*Parrotia persica* (Hamamelidaceae)	35 x 20'
Pink Dawn Chitalpa	*Chitalpa tashkentensis* 'Pink Dawn' (B	
Sweetbay Magnolia	*Magnolia virginiana* 'Jim Wilson' (Mag	
6 - 8' strip, no high-voltage wires		
American Yellowwood	*Cladastrus kentuckea* (Fabaceae)	
Heritage Birch	*Betula nigra* 'Heritage' (Betulaceae)	
Shumard Oak	*Quercus shumardii* (Fagaceae)	
6 - 8' strip with high-voltage wires		
Chinese Pistache	*Pistacia chinensis* (Anacardiaceae)	
Persian Ironwood	*Parrotia persica* (Hamamelidaceae)	
Pink Dawn Chitalpa	*Chitalpa tashkentensis* 'Pink Dawn' (B	
Sweetbay Magnolia	*Magnolia virginiana* 'Jim Wilson' (Mag	
4 - 5.9' strip, no high-voltage wires		
Dura-Heat River Birch	*Betula nigra* 'Dura-Heat' (Betulaceae)	
Pacific Madrone	*Arbutus menziesii* (Ericaceae)	
Turkish Filbert	*Corylus columa* (Betulaceae)	
4 - 5.9' strip with high-voltage wires		
Chinese Pistache	*Pistacia chinensis* (Anacardiaceae)	
Persian Ironwood	*Parrotia persica* (Hamamelidaceae)	

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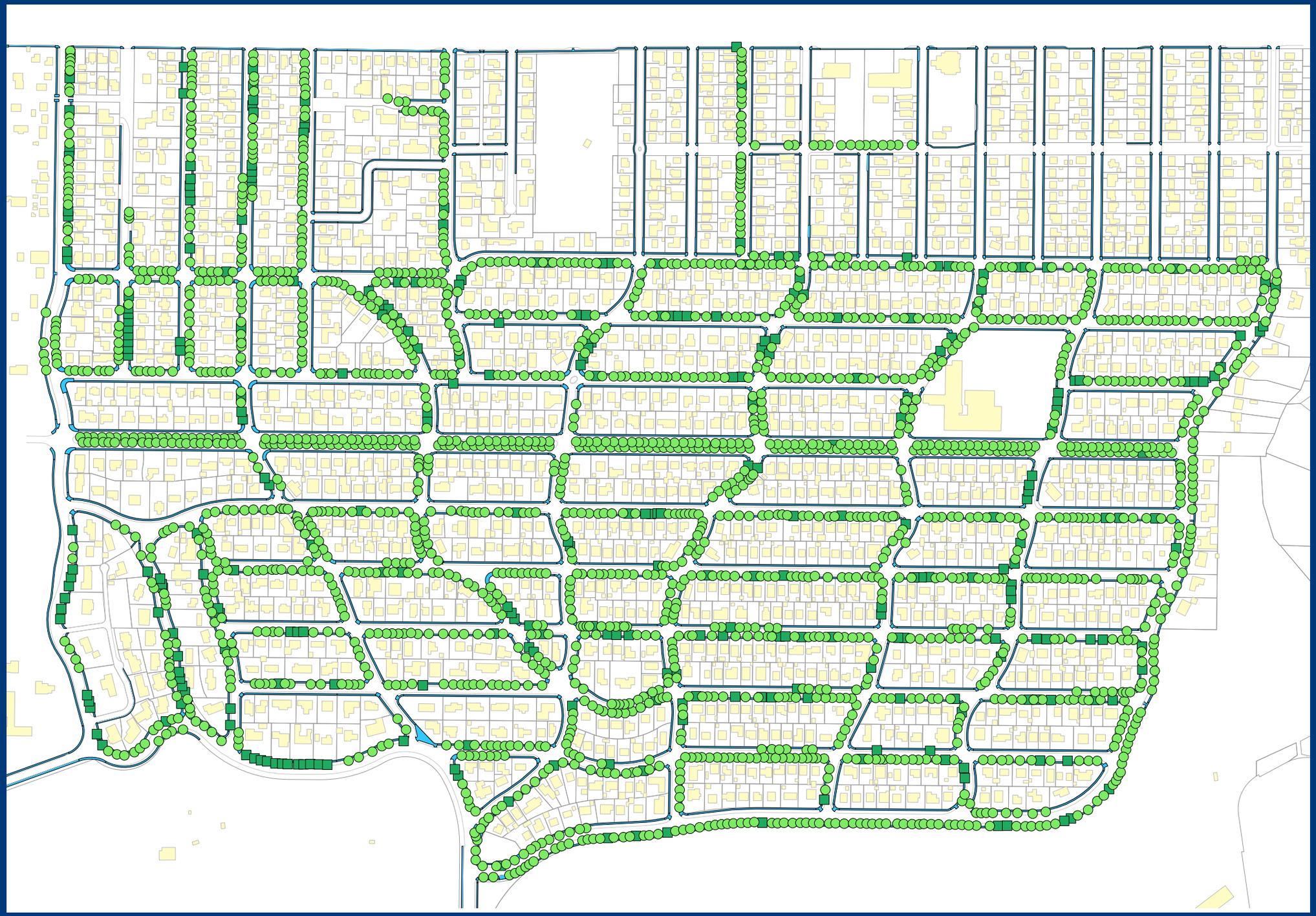
Recommended Trees for East-West Streets

Common Name of Tree	Genus, Species (Family)	Height x Width (note)
8' & wider strip, no high-voltage wires		
Accolade Elm	*Ulmus japonica x Ulmus wilsoniana 'Morton'* (Ulmaceae)	70 x 60'
Tulip Tree	*Liriodendron tulipfera* (Magnoliaceae)	80 x 40'
Western Red Cedar	*Thuja plicata* (Cupressaceae)	100 x 30'
8' & wider strip with high-voltage wires (same entries as 6 - 8' strip with high-voltage wires)		
American Hophornbeam	*Ostrya virginiana* 'Crimschmidt' (Betulaceae)	35 x 35'
Cascara	*Rhamnus purshiana* (Rhamnaceae)	30 x 25'
Lavelle Hawthorne	*Cratageous x lavallei* (Rosaceae)	30 x 25'
6 - 8' strip, no high-voltage wires		
Kentucky Coffee Tree	*Gymnocladus dioicus 'Espresso'* (Fabaceae)	60 x 40' (male, no seeds)
London Plane	*Platanus x acerifolia 'Columbia'* (Plantanaceae)	60 x 35'
Willow Oak	*Quercus phellos* (Fagaceae)	50 x 35'
6 - 8' strip with high-voltage wires		
American Hophornbeam	*Ostrya virginiana* 'Crimschmidt' (Betulaceae)	35 x 35'
Cascara	*Rhamnus purshiana* (Rhamnaceae)	30 x 25'
Lavelle Hawthorne	*Cratageous x lavallei* (Rosaceae)	30 x 25'
4 - 5.9' strip, no high-voltage wires		
Bamboo Leaf Oak	*Quercus myrsinifolia* (Fagaceae)	40 x 30'
Dove Tree	*Davidia involucrata* (Cornaceae)	60 x 30'
Forest Green Oak	*Quercus frainetto* 'Schmidt' (Fagaceae)	50 x 30'
4 - 5.9' strip with high-voltage wires		
American Hophornbeam	*Ostrya virginiana* (Betulaceae)	35 x 35'
Bay Laurel	*Laurus nobilis* (Lauraceae)	30 x 20'
Cascara	*Rhamnus purshiana* (Rhamnaceae)	30 x 25'
2.5 - 3.9' strip with or without high-voltage wires		

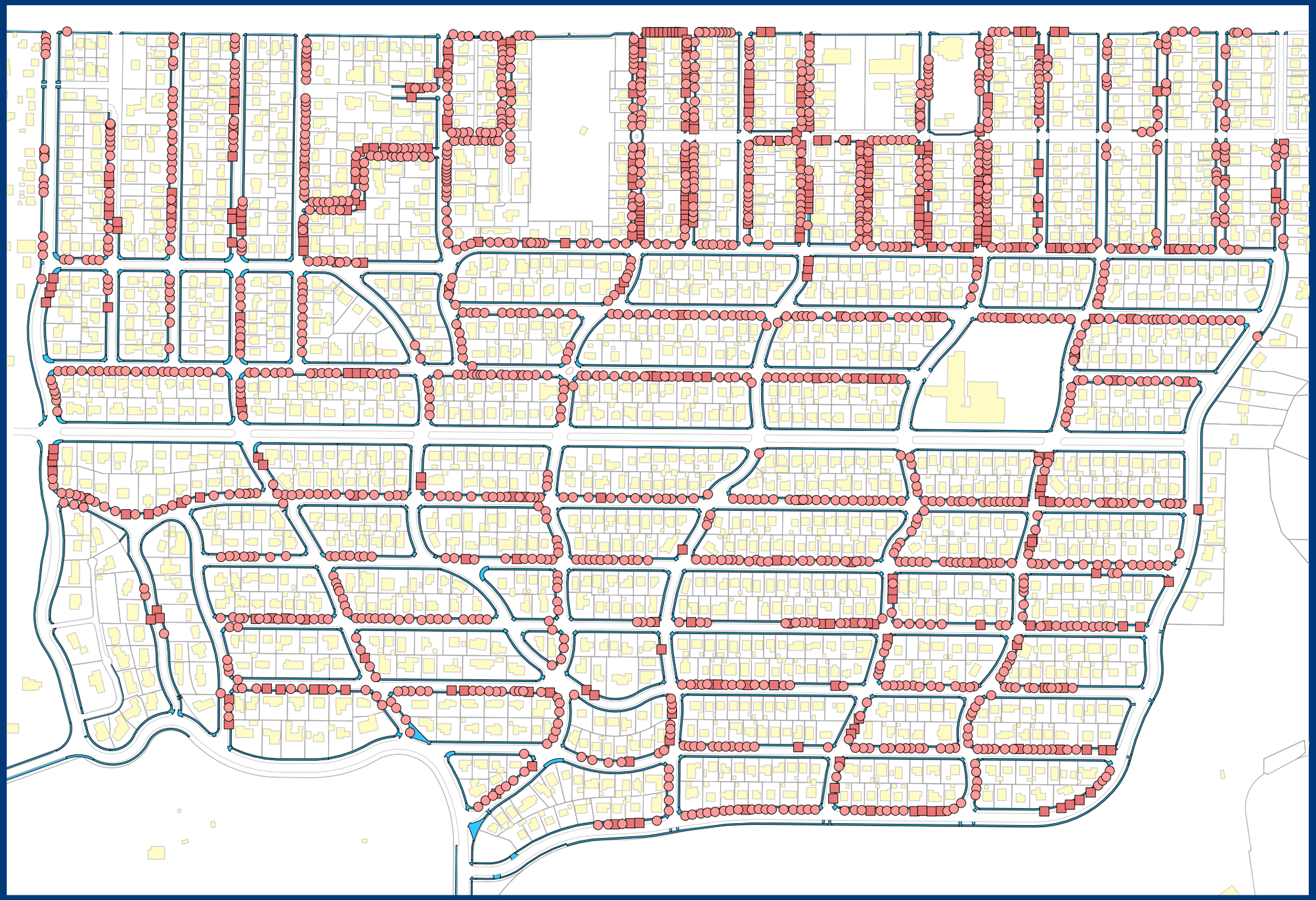
2018 Inventory Review - Summary Counts

- Trees - 2011 inventory 3337
- Trees - 2018 review 3410
- Trees planted, 2011-2018 517
- Trees removed, 2011-2018 444
- Available spaces (strip >= 3 ft) 687
- Trees + available spaces (strip >= 3 ft) 4025
  - Strip > 6 AND wires = N (big) 2223
  - Strip 3-6 OR wires = Y (small/moderate) 1802
- Trees + available spaces (strip < 3 ft) 141

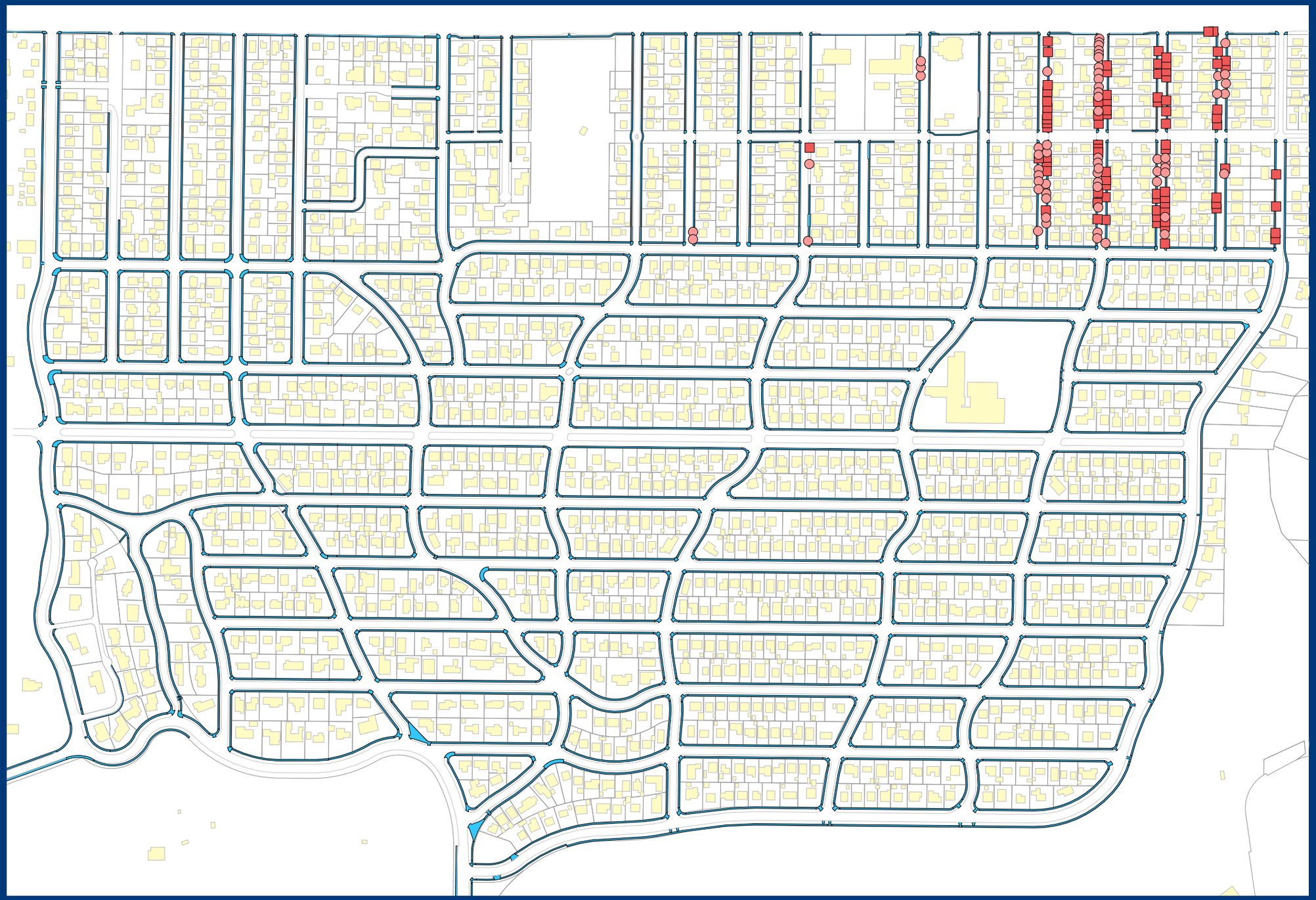
Strip >= 6 ft and Wires = N
Trees 1911, Spaces 312



Strip 3 - 6 ft or Wires = Y
Trees 1427, Spaces 375



Trees and Spaces in Strips < 3 ft
Trees 62, Spaces 79



Maintaining the Street Tree Canopy Will Be Challenging

- Big tree removed, sapling planted.
- Big trees cannot be planted under HV wires.
- Some replacements precluded by clearance requirements.
- Redevelopment: lot splits and double driveways.
- Residential Infill Project (R.I.P.)
- No permits for strips under 3 feet.
- Failure to replant (red squares),
- Planting inappropriate trees.
- Failure to fill available spaces (black squares).
- Stalemate - diversity vs. pattern planting.

10 Most Common Trees Planted 2011-2018
Strip >= 6 ft AND Wires = N

Common Name	Code	Count	Height x Width
oak	QU	39	50-70 x 40-50
elm	UL	26	50-60 x 25-40
tupelo	NYSY	21	30-50 x 20-30
ginkgo	GIBI	18	50-80 x 30-40
dogwood	CO	15	35-40 x 35-40
zelkova	ZESE	11	50-80 x 50-80
katsura	CEJA	8	40-60 x 25-60
red maple	ACRU	7	40-70 x 30-50
ash	FR	7	60-80 x 60-80
beech	FA	6	50-60 x 35-50

10 Most Common Trees Planted 2011-2018
Strip < 6 ft OR Wires = Y

Common Name	Code	Count	Height x Width
dogwood	CO	43	15-30 x 15-30
red maple	ACRU	19	40-50 x 30-40
hornbeam	CA	16	20-35 x 20-35
redbud	CECA	12	20-30 x 25-35
crape myrtle	LAIN	12	6-25 x 6-20
tupelo	NYSY	12	30-50 x 20-30
paperbark maple	ACGR	11	20-30 x 15-25
Persian ironwood	PAPE	10	20-40 x 20-30
cherry	PRCH	10	25-30 x 25-30
ginkgo	GIBI	10	40-50 x 20-30

The 12 Most Common Trees, 2018

Common Name	Count 2011	Count 2018	% Change
Norway maple	1103	1007	-9
elm	372	331	-11
linden	278	283	2
maple, other	145	157	8
dogwood	102	150	47
red maple	124	140	13
sliver maple	148	126	-15
cherry	128	122	-5
sweet gum	120	103	-14
birch	108	94	-13
oak	49	92	88
ginkgo	32	59	84

Summary

- To maintain our street tree canopy, we need to plant big trees in all spaces that will accommodate them (strip >= 6', wires = N), and moderate-sized trees in wide strips with wires (strip >= 6', wires = Y).
- Planting appropriate street trees should be the community norm, with the result that property owners now and in the future avoid planting inappropriate trees and plant and replant the best tree for the space as soon as that space becomes available.
- Our gift to the future.
- Questions/comments: thaselton@gmail.com