

HIGHLAND HOSPITAL LANDSCAPE MASTER PLAN



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HIGHLAND BRANCH

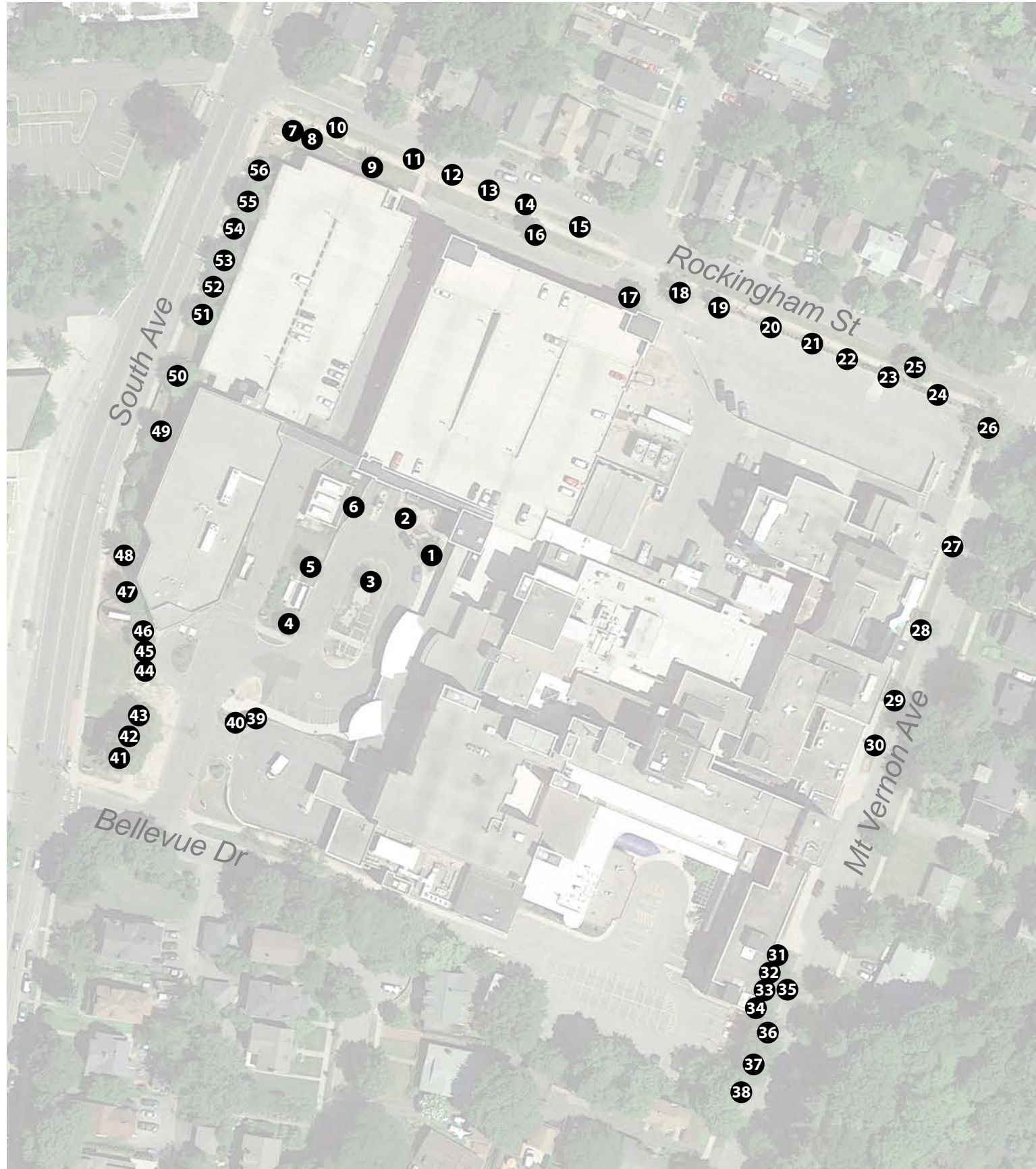
JAMES P. B. DUFFY
SCHOOL NO. 12

HIGHLAND
PARK

HIGHLAND
HOSPITAL

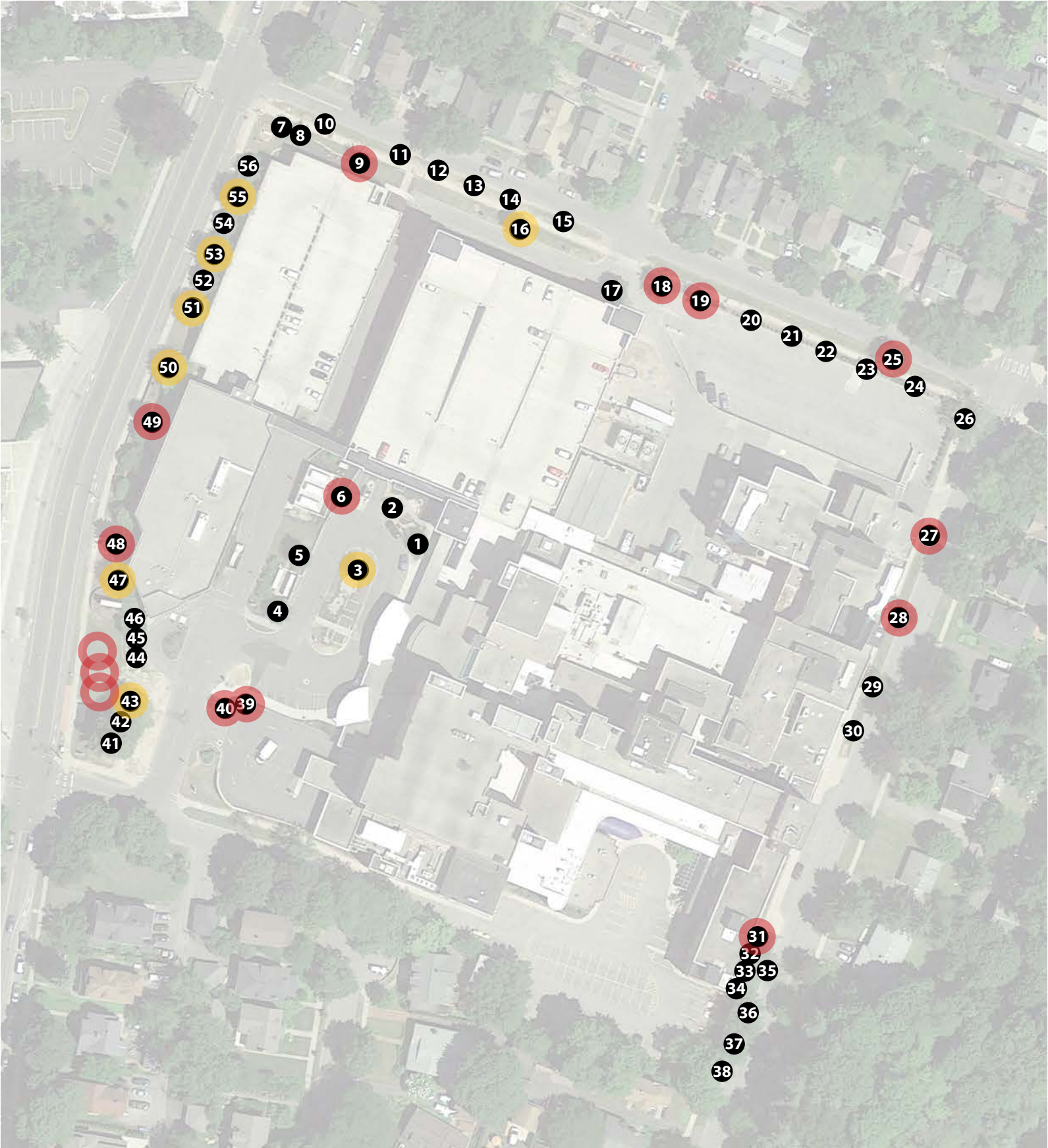
HIGHLAND PARK
NEIGHBORHOOD

TREE INVENTORY



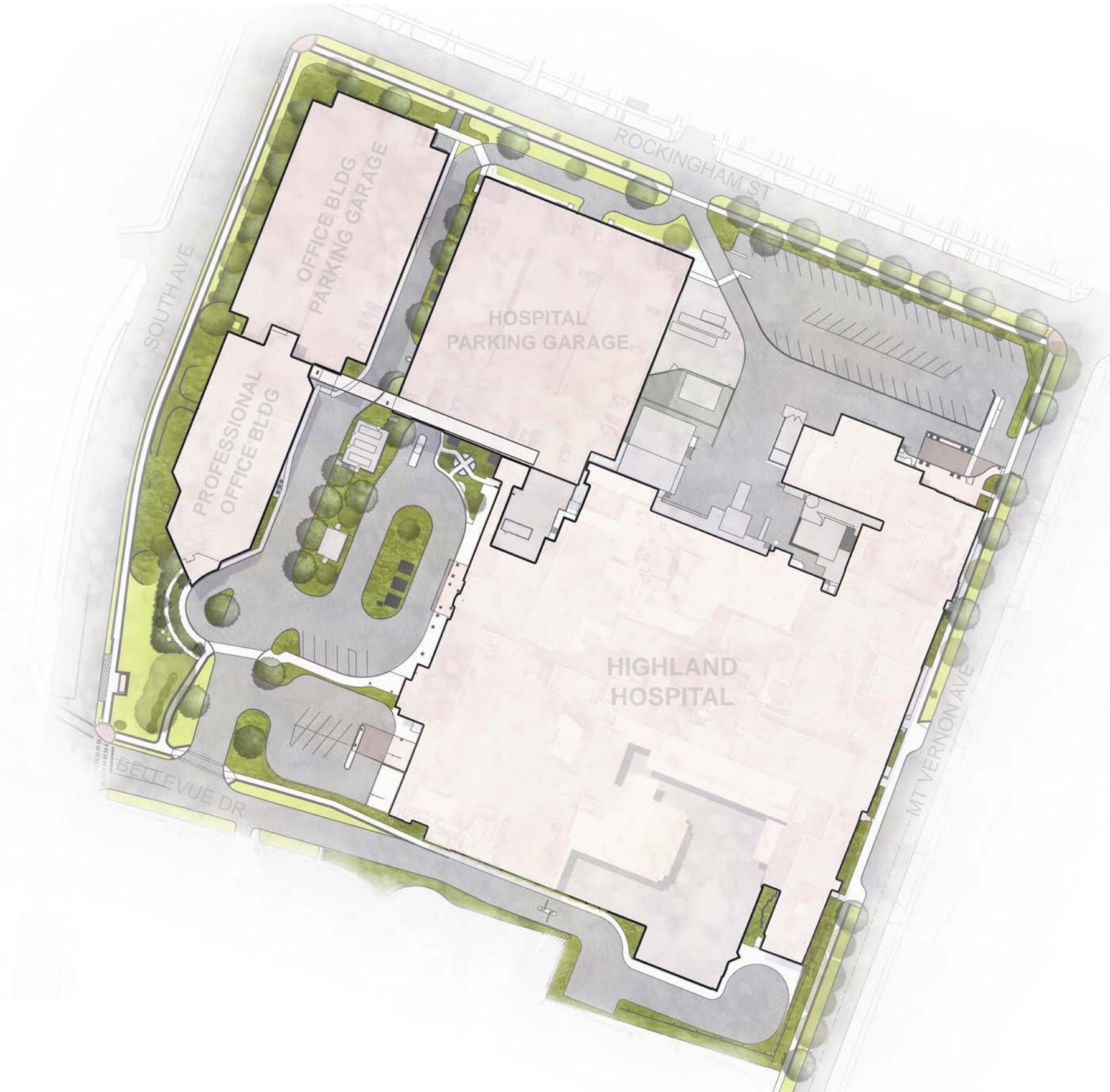
ID #	SPECIES	COMMON NAME	~ DBH (in)	WOOD CONDITION	LEAF CONDITION	PERCENT DEADWOOD	NOTES
001	Gleditsia triacanthos	Honey Locust	6	good	good	0 - 10%	in the "Landmark Garden"
002	Amelanchier sp.	Serviceberry	4	good	good	0 - 10%	
003	Gleditsia triacanthos	Honey Locust	8	good	good	0 - 10%	built up soil ring around trunk. No root flare visible
004	Fraxinus sp.	Ash	10	good	good	0 - 10%	
005	Fraxinus sp.	Ash	10	good	good	0 - 10%	
006	Populus deltoides	Cottonwood	8	fair	good	0 - 10%	not planted. A weed that grew into a tree
007	Malus sp.	Crabapple	12	good	good	0 - 10%	
008	Malus sp.	Crabapple	10	fair	good	0 - 10%	
009	Picea abies	Norway Spruce	12	good	fair	0 - 10%	
010	Gleditsia triacanthos	Honey Locust	2	good	good	0 - 10%	
011	Gleditsia triacanthos	Honey Locust	2	good	good	0 - 10%	
012	Robinia pseudoacacia	Black locust	2	good	good	0 - 10%	
013	Robinia pseudoacacia	Black locust	2	good	good	0 - 10%	
014	Robinia pseudoacacia	Black locust	2	good	good	0 - 10%	
015	Robinia pseudoacacia	Black locust	2	good	good	0 - 10%	
016	Acer saccharum	Sugar Maple	8	good	fair	0 - 10%	
017	Fraxinus sp.	Ash	8	good	good	0 - 10%	
018	Ginkgo biloba	Ginkgo	20	fair	poor	50 - 75%	dying
019	Acer platanoides	Norway Maple	12	fair	poor	50 - 75%	dying
020	Gleditsia triacanthos	Honey Locust	3	good	good	0 - 10%	
021	Gleditsia triacanthos	Honey Locust	3	good	good	0 - 10%	
022	Gleditsia triacanthos	Honey Locust	3	good	good	0 - 10%	
023	Gleditsia triacanthos	Honey Locust	3	good	good	0 - 10%	
024	Gleditsia triacanthos	Honey Locust	3	good	good	0 - 10%	
025	Acer platanoides	Norway Maple	12	good	poor	25 - 50%	scorched leaves
026	Platanus x acerifolia	London Planetree	24	fair	fair	25 - 50%	
027	Platanus x acerifolia	London Planetree	3	poor	fair	0 - 10%	girdled at base (half way around trunk)
028	Acer platanoides	Norway Maple	18	poor	poor	50 - 75%	scorched leaves
029	Acer platanoides	Norway Maple	12	good	good	0 - 10%	
030	Quercus rubra	Red Oak	3	good	good	0 - 10%	
031	Prunus sp.	Japanese Flowering Cherry	10	fair	fair	75% +	
032	Prunus sp.	Japanese Flowering Cherry	10	fair	good	0 - 10%	
033	Prunus sp.	Japanese Flowering Cherry	10	fair	good	0 - 10%	
034	Pinus strobus	Eastern White Pine	12	good	good	0 - 10%	
035	Zelkova serrata	Japanese Zelkova	14	good	good	25 - 50%	
036	Acer platanoides	Norway Maple	10	good	good	25 - 50%	
037	Zelkova serrata	Japanese Zelkova	14	good	good	0 - 10%	
038	Acer platanoides	Norway Maple	12	good	fair	10 - 25%	
039	Prunus cerasifera	Cherry Plum	5	good	good	0 - 10%	
040	Prunus cerasifera	Cherry Plum	5	good	good	0 - 10%	
041	Tilia cordata	Littleleaf Linden	24	good	good	0 - 10%	
042	Tilia cordata	Littleleaf Linden	18	good	good	0 - 10%	
043	Tilia cordata	Littleleaf Linden	18	good	poor	0 - 10%	nearby excavation did major damage to roots
044	Malus sp.	Crabapple	6	poor	good	0 - 10%	girdling at base. poor form.
045	Malus sp.	Crabapple	6	good	good	0 - 10%	poor form. messy
046	Malus sp.	Crabapple	12	good	good	0 - 10%	poor form. messy
047	Acer rubrum	Red Maple	12	good	fair	0 - 10%	stressed
048	Picea abies	Norway Spruce	14	good	fair	0 - 10%	scraggly
049	Picea abies	Norway Spruce	14	good	good	0 - 10%	
050	Acer rubrum	Red Maple	14	good	poor	0 - 10%	chlorotic
051	Acer rubrum	Red Maple	14	good	poor	0 - 10%	chlorotic
052	Pinus nigra	Austrian Pine	18	good	good	0 - 10%	
053	Acer rubrum	Red Maple	18	good	fair	0 - 10%	chlorotic
054	Pinus nigra	Austrian Pine	18	good	good	0 - 10%	
055	Acer rubrum	Red Maple	18	good	fair	0 - 10%	chlorotic
056	Pinus nigra	Austrian Pine	18	good	good	0 - 10%	

TREE INVENTORY — RECOMMENDATIONS

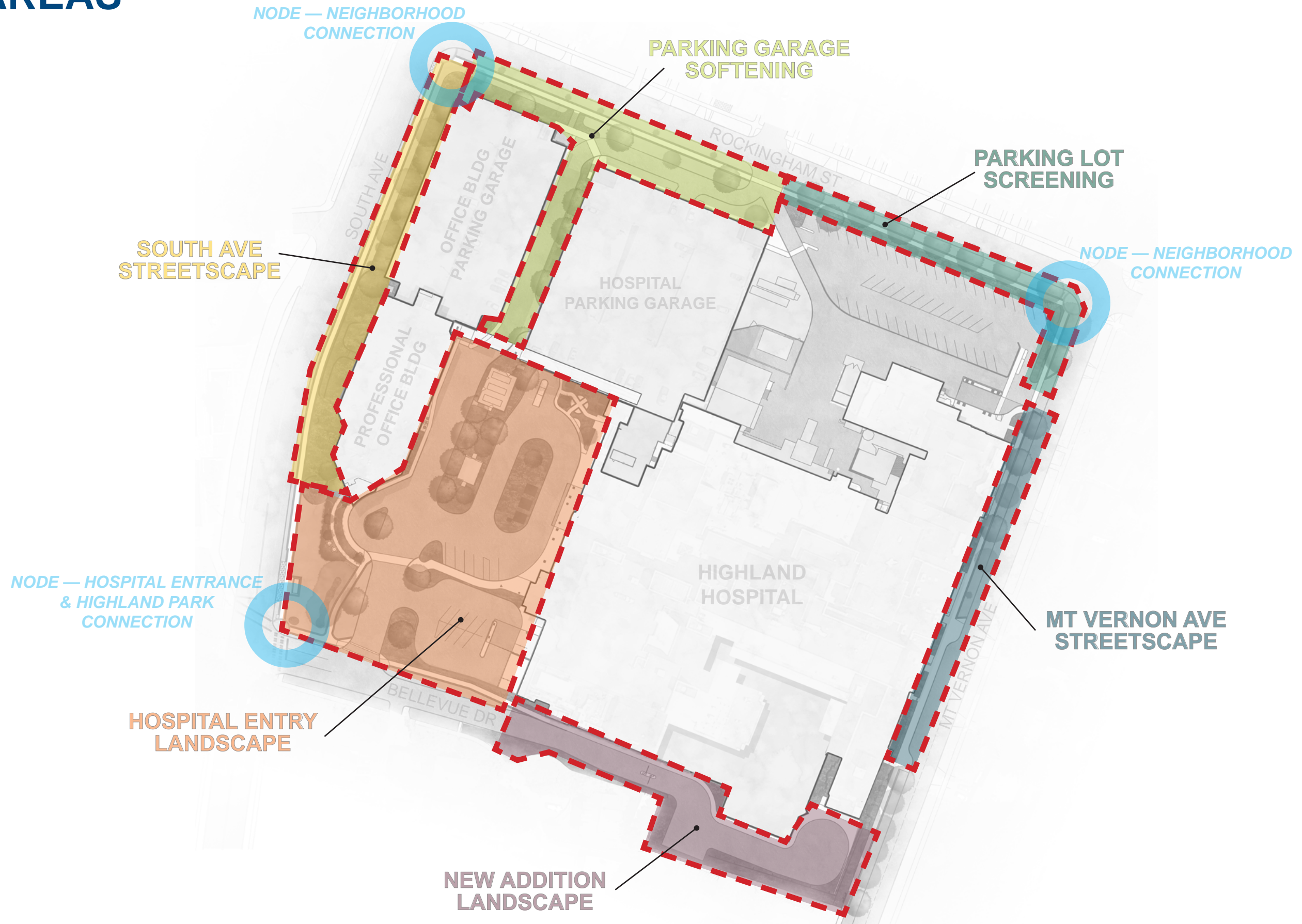


- TREE TO REMAIN
- TREE TO REHABILITATE
- TREE TO REMOVE

LANDSCAPE MASTER PLAN

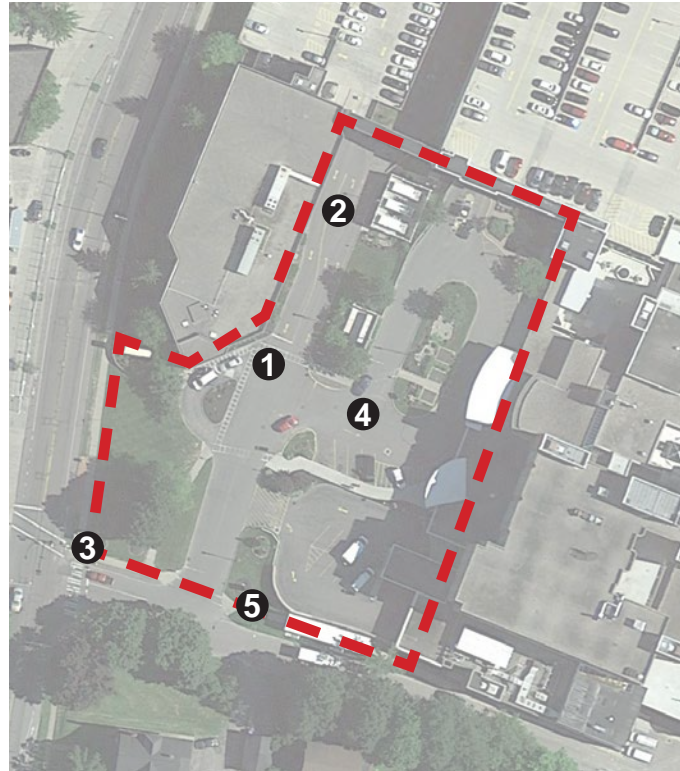


KEY AREAS



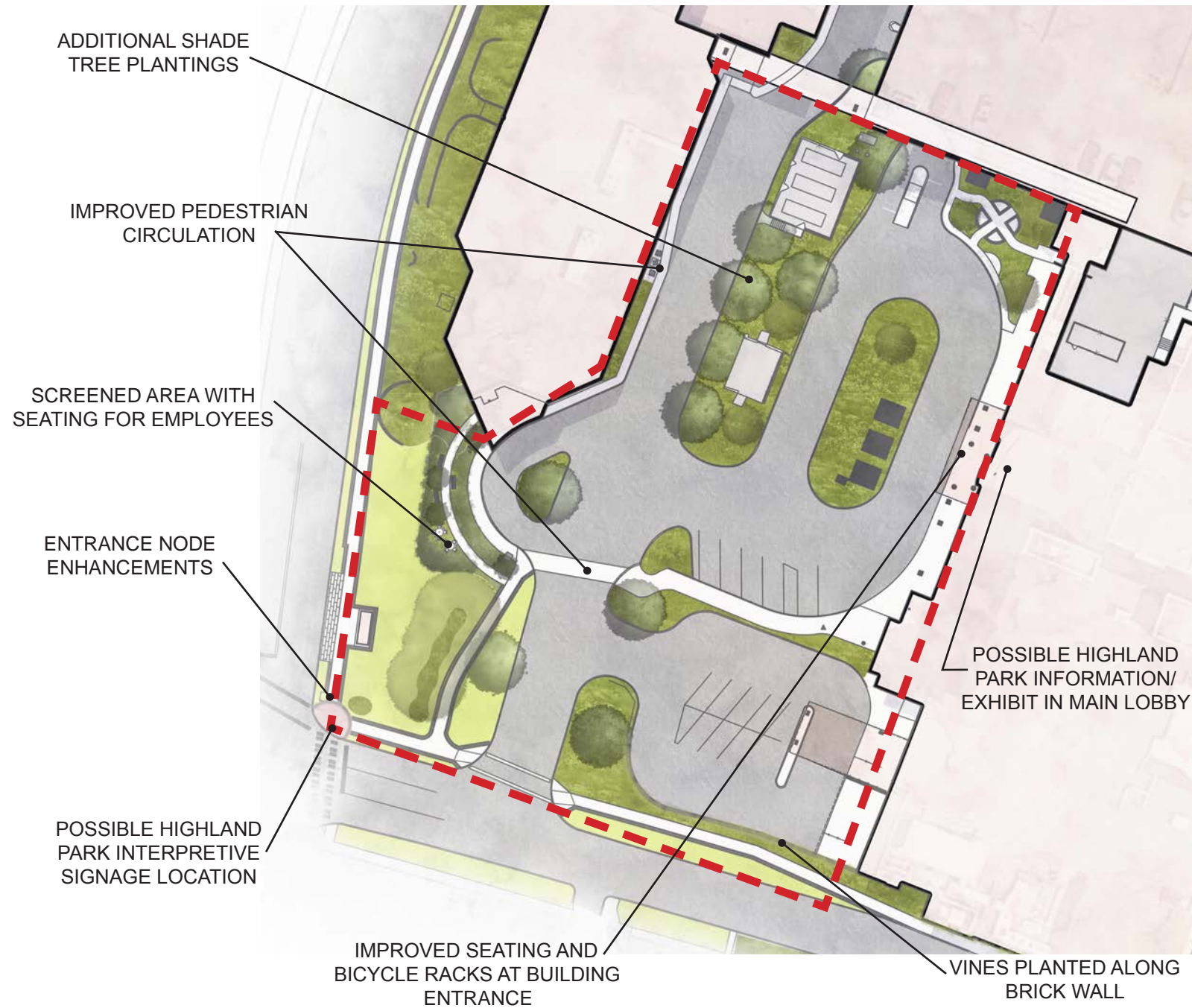
HOSPITAL ENTRY LANDSCAPE

EXISTING CONDITIONS



- ❶ Confusing pedestrian circulation increases risk of conflict with vehicles
- ❷ Sidewalk connection to parking garages needed
- ❸ Weak connection to Highland Park across the street
- ❹ Lack of shade trees makes for a harsh paved landscape
- ❺ Hospital staff sit on street curbs during breaks

RECOMMENDED STRATEGIES



KEY GOALS

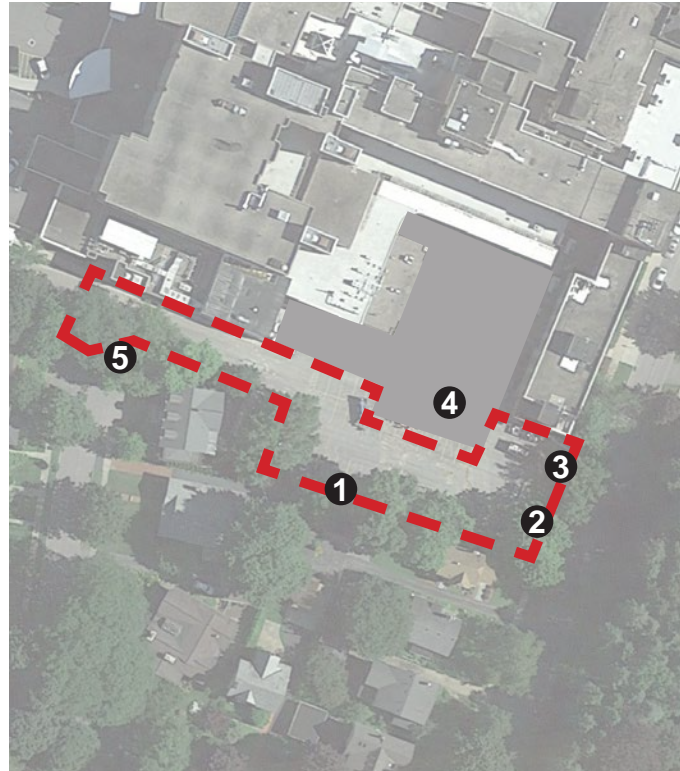
- Create an attractive first impression
- Improve pedestrian circulation
- Incorporate shade trees wherever possible
- Develop connections to Highland Park
- Provide a space of respite for hospital employees
- Enrich landscape with diverse low-maintenance plantings
- Reduce the amount of maintenance required to keep lawn in good health



poorly designed pedestrian circulation routes maximize vehicle conflict

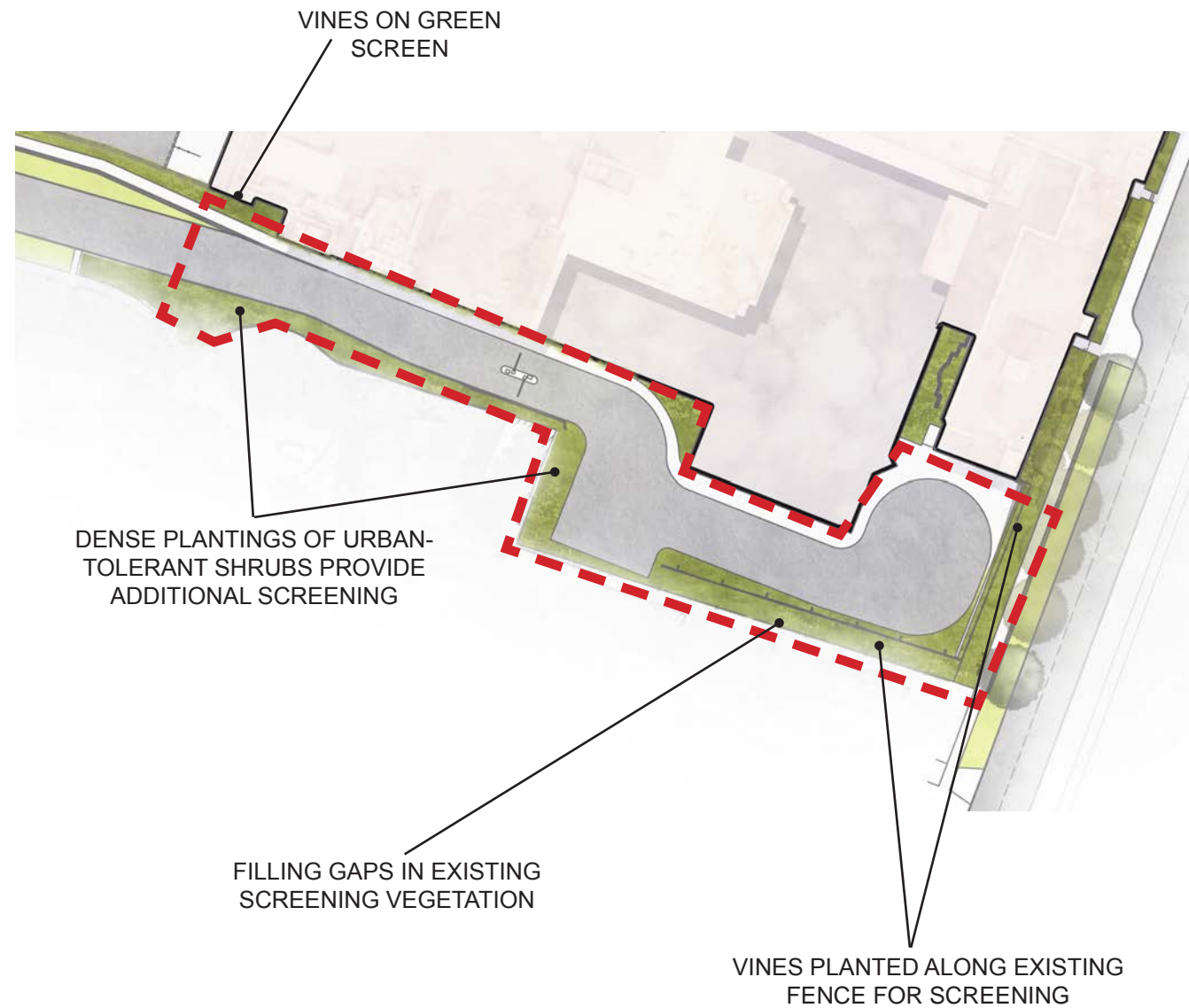
NEW ADDITION LANDSCAPE

EXISTING CONDITIONS



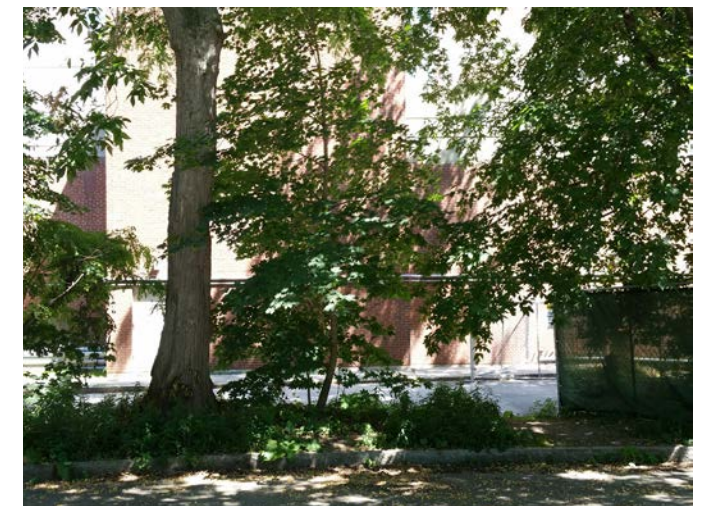
- ❶ Gaps in screening vegetation expose residential backyards to hospital
- ❷ Limited screening plantings exist along Mount Vernon Avenue
- ❸ Existing plantings have very little seasonal interest
- ❹ Landscape around new building needs to blend in with existing surroundings
- ❺ Gaps in understory vegetation expose the Bellevue cul-de-sac to hospital

RECOMMENDED STRATEGIES



KEY GOALS

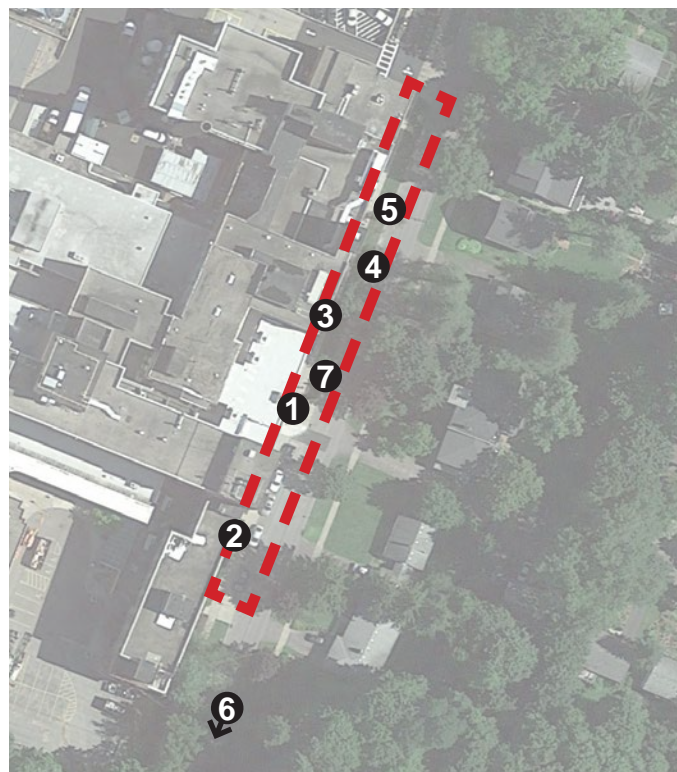
- Screen buildings from adjacent neighborhood (visual and auditory)
- Accommodate snow storage needs
- Incorporate low-maintenance plantings that provide year-round interest



existing vegetation screens much (but not all) of the hospital from view of the adjacent neighborhood

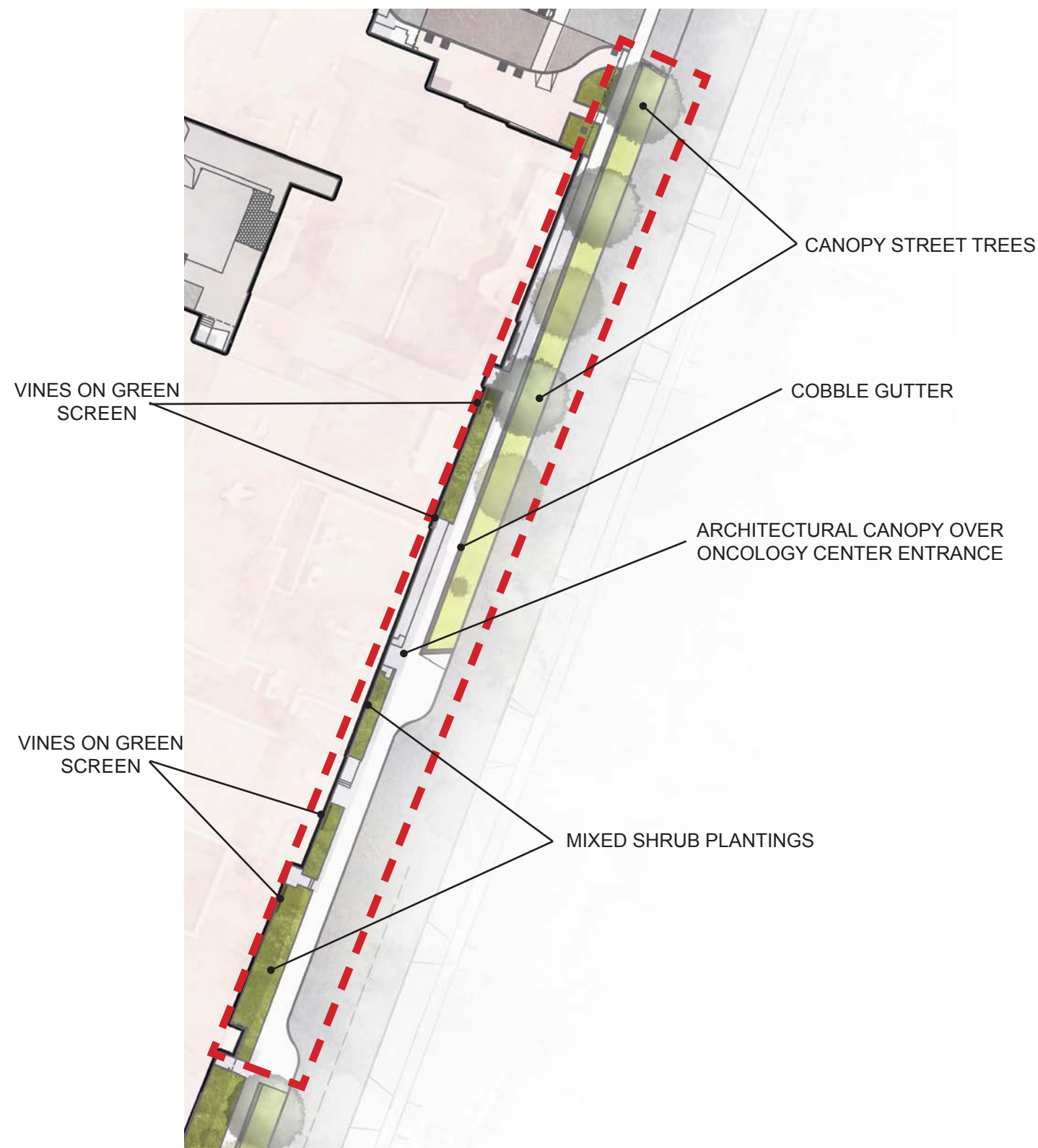
MT VERNON AVE STREETScape

EXISTING CONDITIONS



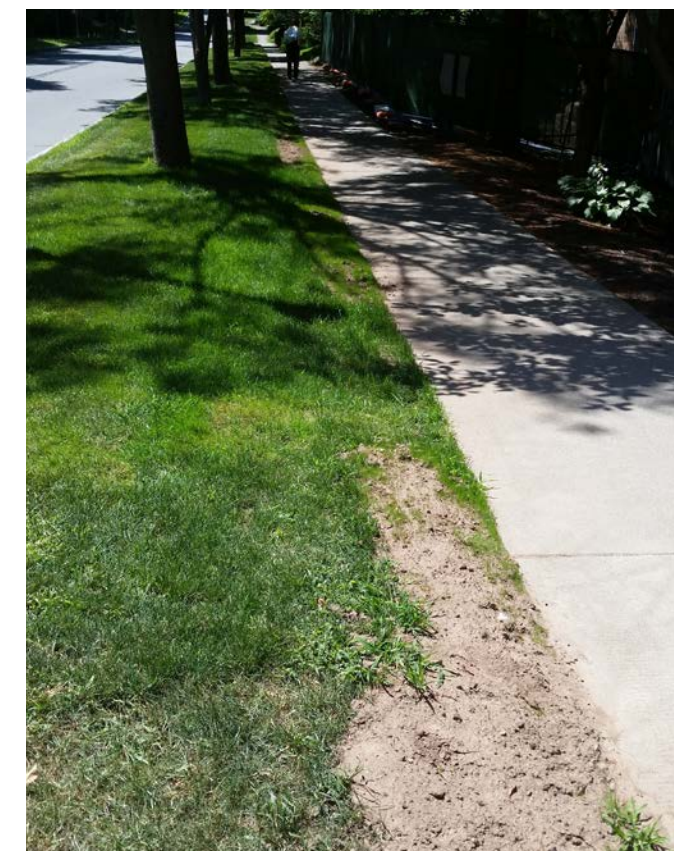
- ❶ Underwhelming entrance to the Oncology Center
- ❷ Foundation plantings lack seasonal interest
- ❸ Building facade is out of scale with residences across the street
- ❹ Damage to turf grass along sidewalk from winter salting and plowing
- ❺ Gaps in street tree plantings
- ❻ Connection to Olmsted portion of Highland Park
- ❼ Smokers on the sidewalk are a neighborhood concern

RECOMMENDED STRATEGIES



KEY GOALS

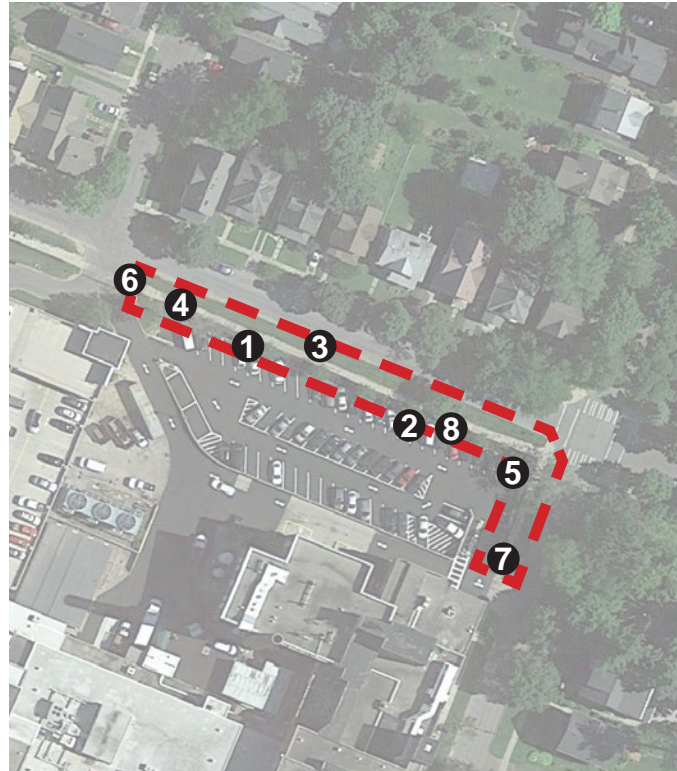
- Fill gaps in the tree lawn
- Enhance Oncology Center entrance
- Visually break up expansive building facade
- Reduce the amount of maintenance required to keep lawn in good health
- Acknowledge connection to Highland Park



wherever lawn is adjacent to a sidewalk, it is common to see turfgrass damaged by winter plowing and salting

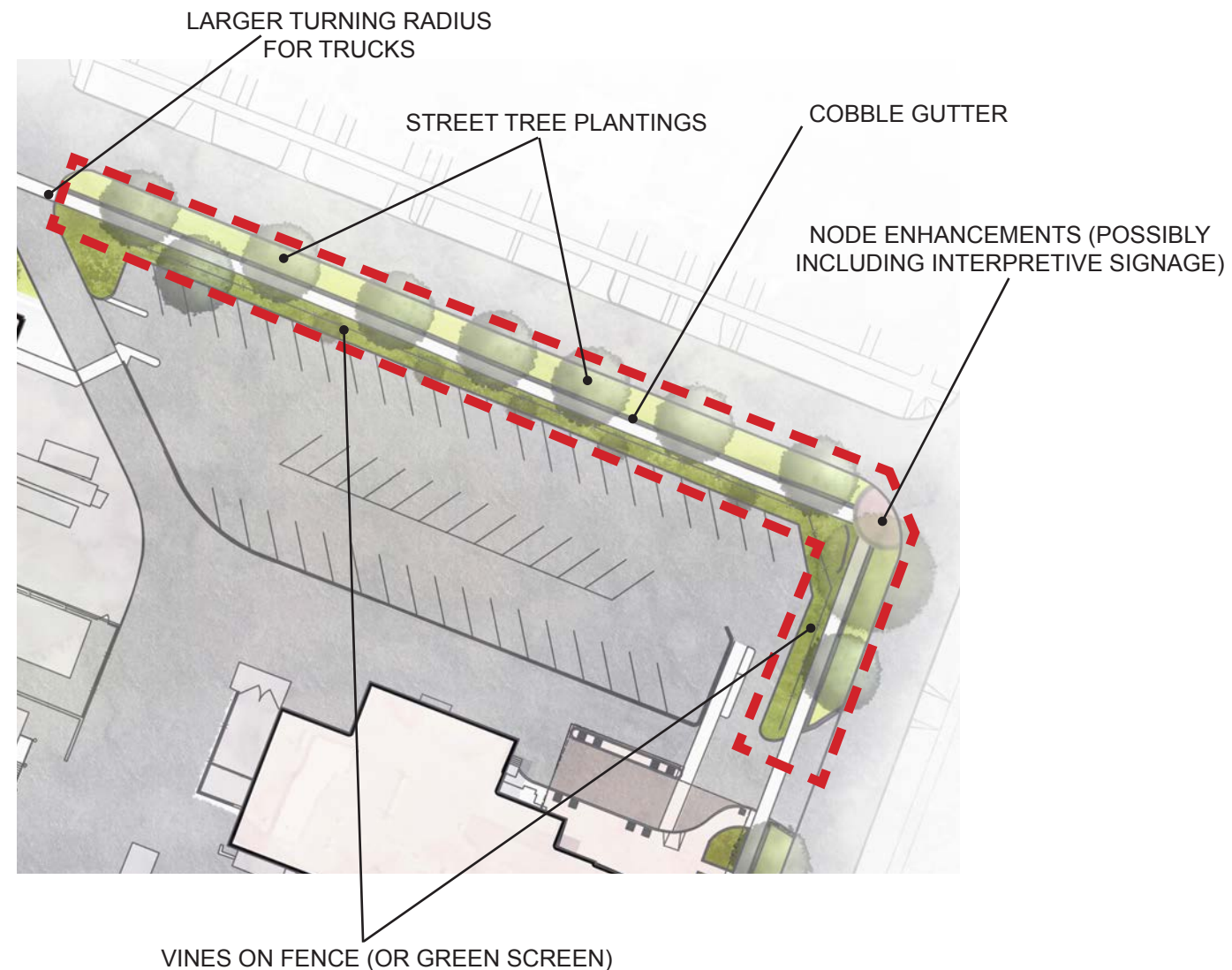
PARKING LOT SCREENING

EXISTING CONDITIONS



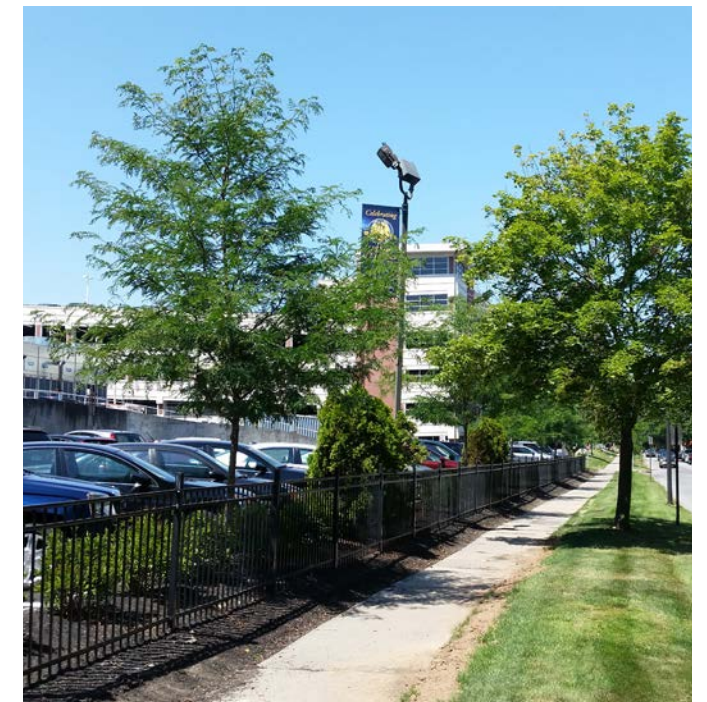
- ❶ Limited screening of parking lot from the adjacent neighborhood
- ❷ Major die-off of arborvitae recently planted to screen parking lot
- ❸ Many potential planting spots for street trees
- ❹ Turf grass along sidewalk damaged from winter salting and plowing activities
- ❺ Limited locations for storing plowed snow in winter
- ❻ Truck traffic creates ruts in lawn
- ❼ Smokers on sidewalk are a neighborhood concern
- ❽ Litter & cigarette butts collect in planting beds

RECOMMENDED STRATEGIES



KEY GOALS

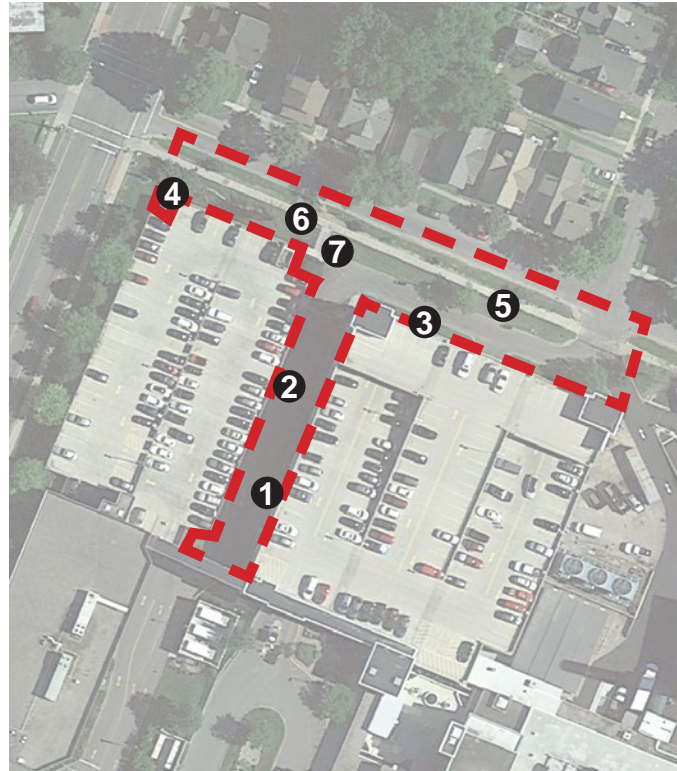
- Fill gaps in tree lawn
- Screen parking lot
- Repair sidewalks as needed
- Improve pedestrian circulation
- Reduce the amount of maintenance required to keep lawn in good health
- Accommodate snow storage needs



existing vegetation does little to screen the parking lot from the adjacent neighborhood

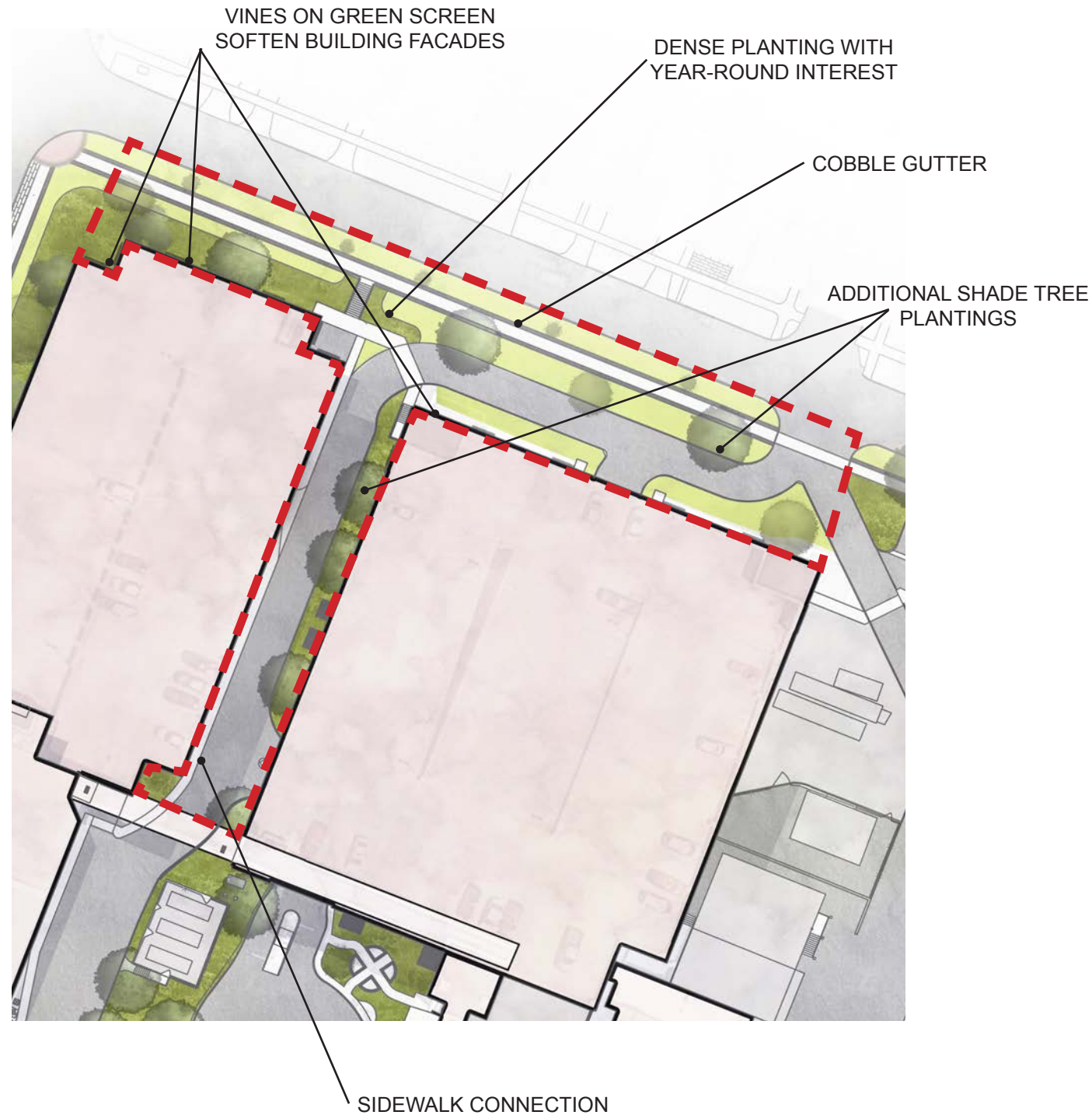
PARKING GARAGE SOFTENING

EXISTING CONDITIONS



- ① Drive between parking structures creates canyon effect
- ② Sidewalk needed for pedestrian circulation
- ③ Large parking structures out of scale with residences across the street
- ④ Sparse plantings with limited seasonal interest do little for the landscape
- ⑤ Damage to turf grass along sidewalk from winter salting and plowing
- ⑥ Smokers on sidewalk are a neighborhood concern
- ⑦ Litter & cigarette butts collect in planting beds

RECOMMENDED STRATEGIES



KEY GOALS

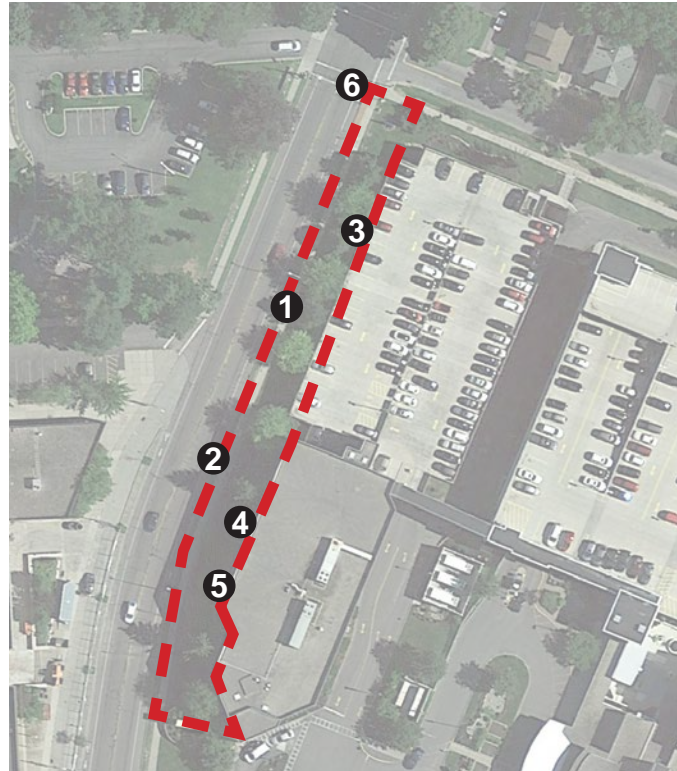
- Fill gaps in tree lawns
- Soften the scale of large parking structures
- Incorporate diverse plantings at staircase that provide year-round interest
- Improve pedestrian circulation
- Reduce the amount of maintenance required to keep lawn in good health



there is a need for a sidewalk between the two parking garages

SOUTH AVE STREETSCAPE

EXISTING CONDITIONS



- ① Turf grass along sidewalk damaged from winter salting and plowing activities
- ② Turfgrass in narrow lawn strip between sidewalk and street growing poorly
- ③ Existing trees currently in good health, but at-risk for future issues
- ④ Monotonous plantings offer little seasonal interest
- ⑤ Concrete block retaining walls at end of lifespan and less than ideal for a quality institutional landscape
- ⑥ Major crossing for kid and parents walking to school
 - Major crossing for kid and parents walking to school

RECOMMENDED STRATEGIES



KEY GOALS

- Fill gaps in existing vegetation to help screen buildings
- Provide diverse plantings on slope to provide seasonal interest
- Screen concrete block retaining walls with plantings
- Reduce the amount of maintenance required to keep lawn in good health



plantings along South Avenue offer very little in terms of seasonal interest

RECOMMENDED ELEMENTS



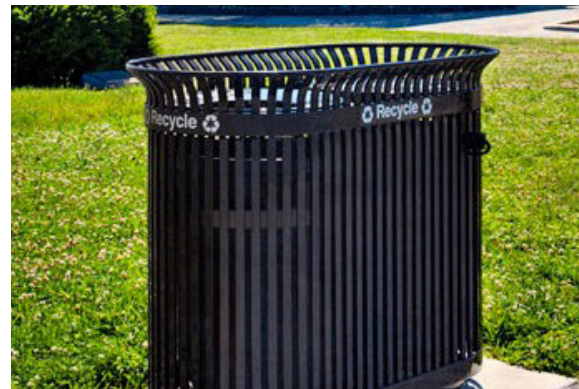
A GREEN SCREEN ON A PARKING STRUCTURE PROVIDES VINES WITH A SUPPORT ON WHICH TO GROW. WHEN MATURE, THE VINES HELP SCREEN THE PARKING STRUCTURE FROM VIEW.



CITY SERIES ROUND COMMERCIAL TABLE (BARCO PRODUCTS)*



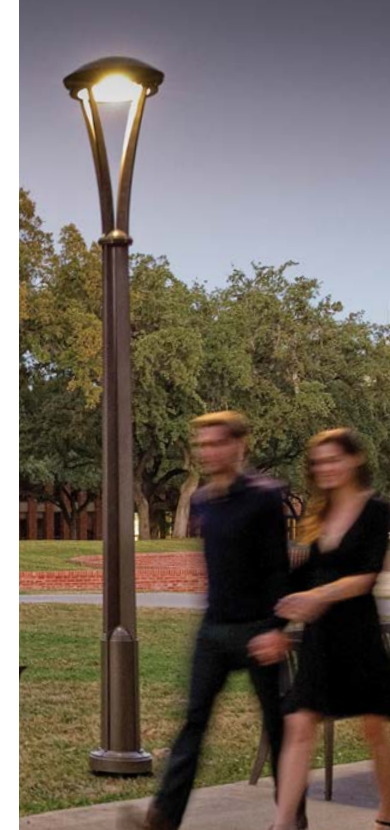
S42 RECEPTACLE WITH S2 DOME (VICTOR STANLEY)*



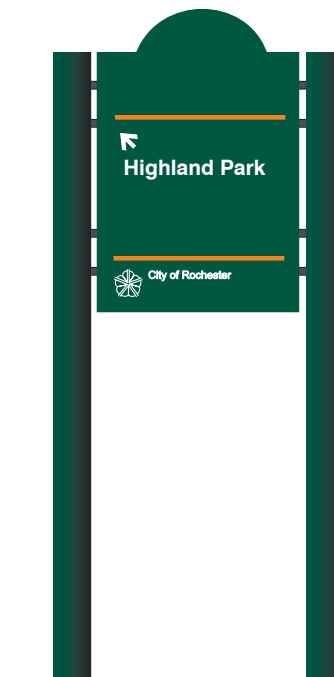
SD242 RECEPTACLE (VICTOR STANLEY)*



EXPO BIKE RACK (CORA)*



ALCOTT PEDESTRIAN LIGHT (LANDSCAPEFORMS)



MINOR TRAIL DIRECTIONAL SIGN
GENESSEE RIVERWAY TRAIL



RTS CUSTOM BUS STOP



MANOR ARCHED BACK BENCH WITH ARM-RESTS (COLUMBIA CASCADE)*



GRANITE COBBLE GUTTERS ALONG SIDEWALKS PROTECT LAWN AND PLANTINGS FROM WINTER PLOWING AND SALT DAMAGE

**UNIVERSITY OF ROCHESTER DESIGN STANDARD

PLANTING PALETTE

BOTANICAL NAME	COMMON NAME
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LARGE TREES

Acer miyabei 'Morton'	State Street® Miyabe Maple
Eucommia ulmoides	Hardy Rubber Tree
Ginkgo biloba 'The President'	Presidential Gold™ Ginkgo
Ginkgo biloba 'JFS-UGA2'	Golden Colonnade™ Ginkgo
Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster® Honeylocust
Gymnocladus dioicus 'Espresso-JFS'	Espresso Kentucky coffee tree
Platanus x acerifolia 'Morton Circle'	Exclamation!™ London Planetree
Quercus muehlenbergii	Chinkapin Oak
Quercus robur × alba 'Tabor'	Forest Knight® Oak
Quercus robur × bicolor 'Long'	Regal Prince® Oak
Quercus robur × Q. alba 'Crimschmidt'	Crimson Spire™ Oak
Ulmus 'Morton'	Accolade® Elm
Ulmus 'Patriot'	Patriot Elm

MEDIUM TREES

Acer grandidentatum x saccharum 'Hipzam'	Highland Park® Maple
Carpinus caroliniana 'JFS-KW6'	Native Flame® American Hornbeam
Cladrastis kentukea	Yellowwood
Crataegus viridis 'Winter King'	Winter King Hawthorn
Malus 'Jewelcole'	Red Jewel™ Crabapple
Parrotia persica 'Vanessa'	Vanessa Persian Parrotia
Syringa pekinensis 'Zhang Zhiming'	Beijing Gold™ Peking Lilac

DECIDUOUS SHRUBS

Aronia arbutifolia 'Brilliantissima'	Brilliantissima Red Chokeberry
Diervilla lonicera 'Copper'	Copper Bush Honeysuckle
Forsythia x 'Courtasol'	Gold Tide® Forsythia
Hippophae rhamnoides 'Sprite'	Sprite Sea Buckthorn
Physocarpus opulifoliosus 'SMPOTW'	Tiny Wine® Ninebark
Rhus aromatica 'Gro-Low'	Gro-Low Aromatic Sumac
Rhus copallina var. latifolia 'Morton'	Prairie Flame™ Sumac
Rosa 'Schneekoppe'	Snow Pavement Rose
Salix arenaria	Creeping Silver Willow
Sorbaria sorbifolia 'Sem'	Sem Ural False Spirea

BOTANICAL NAME	COMMON NAME
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VINES

Akebia quinata 'Silver Bells'	Silver Bells Chocolate Vine
Celastrus scandens 'Bailumn'	Autumn Revolution™ Bittersweet
Polygonum aubertii	Silver Lace Vine
Wisteria macrostachya 'Blue Moon'	Blue Moon Wisteria

EVERGREEN TREES

Abies concolor	White Fir
Picea omorika	Serbian Spruce
Pinus flexilis 'Vanderwolf's Pyramid'	Vanderwolf's Pyramid Pine
Juniperus virginiana 'Emerald Sentinel'	Emerald Sentinel Eastern Redcedar

EVERGREEN SHRUBS

Ilex x meservae 'MonNieves'	Scallywag™ Holly
Ilex x 'Mondo'	Little Rascal® Holly
Juniperus virginiana 'Grey Owl'	Grey Owl Juniper
Myrica pensylvanica 'Morton' & 'Morton Male'	Silver Sprite™ Bayberry & pollinator
Taxus cuspidata 'Green Wave'	Green Wave Yew

PLANTING PALETTE — SELECT IMAGES



Gold Tide® Forsythia



Red Jewel™ Crabapple



Crimson Spire™ Oak - summer



Climbing Hydrangea



Yellowwood



Snow Pavement Rose



Golden Colonnade™ Ginkgo



Crimson Spire™ Oak - fall



Autumn Revolution™ Bittersweet



Winter King Hawthorn - winter



Vanderwolf's Pyramid Pine



Scallywag™ Holly



Emerald Sentinel Eastern Redcedar



Grey Owl Juniper



Green Wave Yew

INITIAL PHASE — NEW ADDITION LANDSCAPE

PLANTING LIST						
SYMBOL	#	BOTANICAL NAME	COMMON NAME	NOTES	MATURE HEIGHT	MATURE WIDTH
TREES						
SP	6	<i>Syringa pekinensis</i> 'Zhang Zhiming'	Beijing Gold™ Peking Lilac	clump form	20'	15'
SHRUBS						
AA	50	<i>Aronia arbutifolia</i> 'Brilliantissima'	Brilliantissima Chokeberry		6'	6'
MP	40	<i>Myrica pensylvanica</i> 'Morton' & 'Morton Male'	Silver Sprite™ Bayberry & pollinator	10:1 ratio of 'Morton' to 'Morton Male'	5'	6'
RA	26	<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Fragrant Sumac		2'	6'
RC	11	<i>Rhus copallina</i> var. <i>latifolia</i> 'Morton'	Prairie Flame™ Sumac		6'	6'
VP	4	<i>Viburnum plicatum</i> f. <i>tomentosum</i> 'Summer Snowflake'	Summer Snowflake Doublefile Viburnum		8'	8'
VINES						
AQ	9	<i>Akebia quinata</i> 'Silver Bells'	Silver Bells Chocolate Vine		15'	15'
PQ	4	<i>Parthenocissus quinquefolia</i> 'Tropi'	Red Wall® Virginia Creeper		20'	10'
WM	7	<i>Wisteria macrostachya</i> 'Blue Moon'	Blue Moon Wisteria		15'	8'
GRASSES						
CA	21	<i>Calamagrostis × acutiflora</i> 'Karl Foerster'	Karl Foerster Feather Reed Grass		3'	3'



EXISTING VEGETATION TO REMAIN & BE PROTECTED



PLANT PALETTE



Beijing Gold™ Peking Lilac - summer



Gro-Low Aromatic Sumac - summer



Brilliantissima Red Chokeberry - spring



Silver Sprite™ Bayberry - summer



Prairie Flame™ Sumac - summer



Beijing Gold™ Peking Lilac - fall



Gro-Low Aromatic Sumac - fall



Brilliantissima Red Chokeberry - fall



Silver Sprite™ Bayberry - winter



Karl Foerster Feather Reed Grass



Summer Snowflake Viburnum



Blue Moon Wisteria



Silver Bells Chocolate Vine - foliage



Silver Bells Chocolate Vine - flowers



Red Wall® Virginia Creeper - fall