

Resolution No. \_\_\_\_\_

A RESOLUTION OF THE ST. PETERSBURG CITY COUNCIL APPROVING THAT \$475,000 OF FUNDS RESERVED FROM THE BP SETTLEMENT PROCEEDS BE APPROVED AS A SUPPLEMENTAL APPROPRIATION FROM THE UNAPPROPRIATED BALANCE OF THE GENERAL FUND (0001), DERIVED OF SETTLEMENT FUNDS FROM THE 2010 DEEPWATER HORIZON OIL SPILL (BP SETTLEMENT), TO THE MAYOR'S OFFICE (0001-020) FOR THE IMPLEMENTATION OF A CITY-WIDE TREE PLANTING PROGRAM; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Sustainability Vision of the City of St. Petersburg (City) is a city with the capacity to endure by finding the balance between environmental stewardship, economic vitality and social equity; and

WHEREAS, the City's Sustainability Mission Statement is to make St. Petersburg the city to work, live and play through innovative and collaborative sustainability practices; and

WHEREAS, the City's Sustainability Core Values are community collaboration and partnerships, creativity and quality outcomes, cost effective economics, environmental stewardship, and leadership in innovation; and

WHEREAS, tree planting and protection and urban forestry contribute to the implementation of all the City's stated Sustainability Goals: the net zero energy, protection and enhancement of natural systems, the protection and promulgation of shade and green space, sustainable built environment practices, safe and efficient multimodal transportation networks, improvement of our local economy, and a healthier community; and

WHEREAS, trees and tree canopy have been shown to sequester carbon, improve air and water quality, and reduce energy usage; and

WHEREAS, the City is the recipient of funds in settlement of the 2010 Deepwater Horizon oil spill in the Gulf of Mexico (BP Settlement); and

WHEREAS, on February 18, 2016, the Energy, Natural Resources and Sustainability Committee (ENRS) voted unanimously to recommend approval of a supplemental appropriation of \$500,000 of BP Settlement funds from the unappropriated balance of the General Fund to the City Council of St. Petersburg, Florida for the purpose of establishing and implementing a new Tree Planting Program (Program); and

WHEREAS, on May 19, 2016, the City Council voted 7-1 to approve an appropriation of \$25,000 from the unappropriated balance of the General Fund for the establishment and implementation of the Program, while reserving \$475,000 for the further implementation and completion of the Program; and

WHEREAS, on June 15, 2017, ENRS voted unanimously to recommend the release of the \$475,000 reserved to a supplemental appropriation to the General Fund to move forward with final fieldwork and purchase of trees of; and

WHEREAS, the Office of Sustainability, under the Mayor’s Office shall be the lead department in the establishment and implementation of the Program, but shall enlist and allocate funds to the Parks and Recreation Department in achievement of the goals of the Program, including, but not limited to, the procurement and planting of trees.

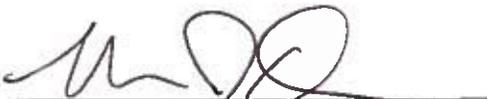
NOW THEREFORE BE IT RESOLVED by the City Council of St. Petersburg, Florida that there is hereby approved the following supplemental appropriation from the unappropriated fund balance for fiscal year 2017:

<u>General Fund (0001)</u>	
Mayor’s Office (0001-020)	\$475,000

BE IT FURTHER RESOLVED that this \$475,000 appropriation shall be used exclusively for the establishment and implementation of the Tree Planting Program.

This Resolution shall become effective immediately upon its adoption.

Approved as to form and content:

  
\_\_\_\_\_  
City Attorney (Designee)

  
\_\_\_\_\_  
Budget Department



**MEMORANDUM**  
**City of St. Petersburg City Council**  
**Meeting of July 20, 2017**

**To:** The Honorable Darden Rice, Chair and Members of City Council

**Date:** July 7, 2017

**Subject:** A RESOLUTION OF THE ST. PETERSBURG CITY COUNCIL APPROVING THAT \$475,000 OF FUNDS RESERVED FROM THE BP SETTLEMENT PROCEEDS BE APPROVED AS A SUPPLEMENTAL APPROPRIATION FROM THE UNAPPROPRIATED BALANCE OF THE GENERAL FUND (0001), DERIVED OF SETTLEMENT FUNDS FROM THE 2010 DEEPWATER HORIZON OIL SPILL (BP SETTLEMENT), TO THE MAYOR'S OFFICE (0001-020) FOR THE IMPLEMENTATION OF A CITY-WIDE TREE PLANTING PROGRAM; AND PROVIDING AN EFFECTIVE DATE.

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**BACKGROUND**

In an effort to increase the city's tree canopy which also contributes to increased environmental, health, and economic benefits, some preliminary work was completed by Former Mayor David Fischer and the Parks & Recreation Department to identify tree planting areas on city property and right-of-way. The BP Settlement was identified as a sensible funding source to re-initiate tree plantings and contribute to preliminary steps for long-term urban forestry planning. Councilmember Nurse referred a resolution to allocate \$500,000 of BP Settlement funds.

Before moving forward with plantings, the Office of Sustainability contracted a certified arborist to conduct site evaluations of approximately twenty (20) miles of roadway corridor for the purposes of created a foundation of urban forestry, diversity, and survival criteria that may be used as resources are available to move in the direction of a broader urban forestry program. The site evaluation work included fieldwork to observe overhead utilities, spacing, and existing conditions. Preliminary evaluations of underground utilities based on city GIS files, preliminary coordination with Transportation & Parking, Engineering, and Water Resources Departments were also conducted to coordinate planning efforts and construction scheduling.

A public meeting was held on May 3, 2017 at J.W. Cate Recreation Center to go over the findings and tree categories and to gather additional input from citizens. Additional community

input was gathered through City Council members and emails from several neighborhoods. That input was used with departmental coordination to identify corridor areas additional to what was originally identified by Dave Fischer, Tree Czar. Only part of the community input areas could be evaluated in the field for this scope of work. Areas that were beyond scope and budget to will be kept for future tree planting purposes.

## RESULTS

The results show that about 2,185 trees may be planted at the cost of about \$1,984,745 or an average of \$909/tree for the corridors evaluated. The cost/tree includes purchase, establishment, and maintenance for up to 2 years.

Additional input from the community and the ENRS committee asked that the city direct the contractor to minimize planting of palms and Crepe Myrtles. Palms are expensive and provide less shade, so using them where it is the only best option provides an opportunity for bringing down the average cost per tree. In addition, Live Oaks are in high demand and may be difficult to purchase at the prescribed size. Smaller sizes provide opportunity for cost-savings, but may also require some extra maintenance. A check with the city's contractor and a brief review of recent city tree purchases show this cost estimate to be in line with recent market trends.

The technical team created a tiered approach balancing funding among city council districts, need, and field observations as an option below. Additional funding could be prioritized as listed in Tier 2 below, may need to be partial implementation for longer corridors. Other approaches may be taken considering key factors like council district, investment in large trees vs. accent trees, most need, and enhancement of planned bike/pedestrian facilities.

Any recommended approach or priorities at this time may be changed by additional infrastructure project updates, underground utilities research results, and availability and cost of trees. Table 1 below summarizes the Tiered recommendations.

**Table 1. Implementation Approach – Option 1**

Corridor - Draft Tier 1	Total Trees	Total Cost	Per Tree Avg	Suggest Partial	Sugg. Trees	Council Dist.
54TH AVENUE S ( 34thST - 22nd ST)	22	\$ 20,400	\$ 927	\$ 20,400	22	Kornell
83rd AVENUE N (4th ST - MACOMA DR)	73	\$ 65,410	\$ 896	\$ 65,410	73	Kennedy
18TH AVENUE S (49th ST - 22nd ST)	236	\$ 211,890	\$ 898	\$ 134,675.85	150	Wheeler-Bowman
30th AVENUE N (66th ST - 71st ST)	53	\$ 49,050	\$ 925	\$ 49,050	53	Gerdes
1st STREET N (54th AVE - 78th AVE)	265	\$ 238,275	\$ 899	\$ 100,704.91	112	Montanari
45TH AVENUE S & LEWIS BLVD (4th ST - ELKCAM BLVD)	60	\$ 55,660	\$ 928	\$ 55,660	60	Nurse
62ND AVENUE SOUTH & ROYHANNA DR S.	450	\$ 412,045	\$ 916	\$ 54,939	60	Kornell
<b>Total</b>	<b>1,159</b>	<b>\$1,052,730</b>	<b>\$ 908</b>	<b>\$ 480,840</b>	<b>530</b>	
<b>Corridor - Draft Tier 2</b>						
30th AVENUE NORTH (66th ST - I-275)	650	\$ 594,315	\$ 914	TBD	TBD	Foster+Gerdes
PINELLAS POINT DRIVE (I-275 - 28th ST)	76	\$ 68,315	\$ 899	TBD	TBD	Kornell
ELKCAM BOULEVARD SE (39th AVE - LEWIS DR)	91	\$ 81,900	\$ 900	TBD	TBD	Nurse
Enhance Old NE Citizen work or other Dist 4?	TBD	TBD	TBD	TBD	TBD	Rice
<b>Total</b>	<b>775</b>	<b>\$ 705,980</b>	<b>\$ 911</b>	<b>TBD</b>	<b>TBD</b>	

## **NEW PROPOSAL/PARTNERSHIP OPPORTUNITY FOR TREE DIVERSITY**

During this process to infuse some resources into the city's tree canopy, the citizen-led St. Petersburg Sustainability Council (SPSC), city staff, and other stakeholders reached out to City of Tampa, UF-IFAS Forestry Program and others for assistance. Urban foresters from around the state then visited St. Petersburg for various tree-related events last year.

This year, the state diversity working group of experts has invited a few cities to participate in testing some species for diversity. Graduate students and experts have asked if the city would like to identify two plots for planting test trees. The city would pay around \$500 for the trees, and would plant and maintain them with assistance from UF-IFAS staff. Staff and group are working through final complexities of going outside traditional paths for tree purchases. If the city is able to work through those issues in the timeframe, staff recommends the following:

- ✓ It is recommended that no more than \$500 of the \$481,600 be used to fund the test plots. Other funding may come from Golf Course or other operations making the BP Settlement contribution less than \$500.

## **NEXT STEPS**

To close out the site evaluation contract and begin purchasing and planting trees, there are the following next steps:

- City Council approval for allocating the remaining \$475,000 of reserved funds (\$481,600 total for tree plantings).
- Contractor finalizes evaluation with underground utility verification and other factors as-needed.
- Outreach to residents and business to gain approval for plantings that may be in front of homes and residences that those property owners will be responsible for.
- Plant, maintain, and track maximum number of diverse tree species for money allocated.
- Report on lessons learned, urban forestry management moving forward including staff and financial resources.

## **MATERIALS/ATTACHMENTS INCLUDED**

Included in this package are the following draft deliverables:

- Site Evaluation Map with all identified alternate corridors shown with green line and star.  
*Note: Only a small portion of the alternates were evaluated in the field.*
- Tree Selection Matrix – tree categories acceptable in the evaluated corridors
- Site Evaluation Matrix – detailed results of fieldwork and preliminary utility and infrastructure coordination
- Corridor Cost Summary
- Sample of a planting plan page

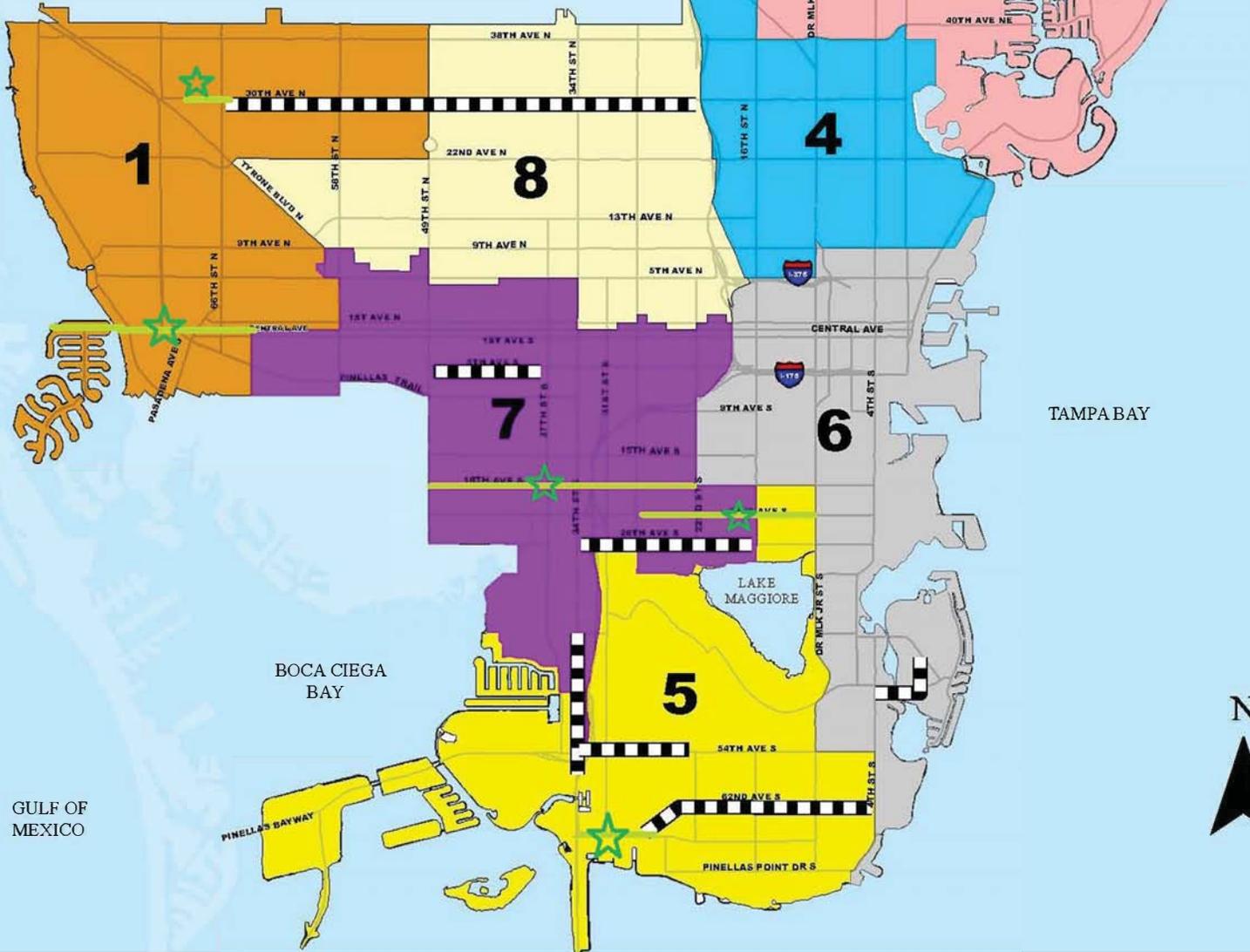
Cc: Mayor Rick Kriseman  
Gary Cornwell  
Tom Greene  
Michael Dema  
Chan Srinivasa

# Proposed Tree Planting Corridors

DISTRICT	NAME
MAYOR	Rick Kriseman
1	Charlie Gerdes
2	James Kennedy
3	Ed Montanari
4	Darden Rice
5	Steve Kornell
6	Karl Nurse
7	Lisa Wheeler-Bowman
8	Amy Foster

 Tree Czar Fischer Proposed Corridors

 Stakeholder/Community Proposed (partial site evaluations)



GULF OF MEXICO

BOCA CIEGA BAY

TAMPA BAY



Tree Planting Program - Cost Summary Sheet

July 2017

ITEM	UNIT	QUANTITY	COST PER	COST
<b>54TH AVENUE SOUTH ( 34thST - 22nd ST)</b>				
Large Tree	EA	0	\$895.00	\$ -
Accent Tree	EA	16	\$900.00	\$ 14,400
PALM	EA	6	\$1,000.00	\$ 6,000
<b>Subtotal</b>		<b>22</b>	<b>Subtotal</b>	<b>\$ 20,400</b>
<b>83rd AVENUE NORTH (4th ST - MACOMA DR)</b>				
Large Tree	EA	58	\$895.00	\$ 51,910
Accent Tree	EA	15	\$900.00	\$ 13,500
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>73</b>	<b>Subtotal</b>	<b>\$ 65,410</b>
<b>1st STREET NORTH (54th AVE - 78th AVE)</b>				
Large Tree	EA	45	\$895.00	\$ 40,275
Accent Tree	EA	220	\$900.00	\$ 198,000
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>265</b>	<b>Subtotal</b>	<b>\$ 238,275</b>
<b>30th AVENUE NORTH (66th ST - I-275)</b>				
Large Tree	EA	217	\$895.00	\$ 194,215
Accent Tree	EA	329	\$900.00	\$ 296,100
PALM	EA	104	\$1,000.00	\$ 104,000
<b>Subtotal</b>		<b>650</b>	<b>Subtotal</b>	<b>\$ 594,315</b>
<b>30th AVENUE NORTH (66th ST - 71st ST)</b>				
Large Tree	EA	30	\$895.00	\$ 26,850
Accent Tree	EA	8	\$900.00	\$ 7,200
PALM	EA	15	\$1,000.00	\$ 15,000
<b>Subtotal</b>		<b>53</b>	<b>Subtotal</b>	<b>\$ 49,050</b>
<b>5TH AVENUE SOUTH (49th ST - 37th ST)</b>				
Large Tree	EA	53	\$895.00	\$ 47,435
Accent Tree	EA	0	\$900.00	\$ -
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>53</b>	<b>Subtotal</b>	<b>\$ 47,435</b>
<b>18TH AVENUE SOUTH (49th ST - 22nd ST)</b>				
Large Tree	EA	102	\$895.00	\$ 91,290
Accent Tree	EA	134	\$900.00	\$ 120,600
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>236</b>	<b>Subtotal</b>	<b>\$ 211,890</b>

Note: Direction will be given to tree planting contractor to minimize palm trees wherever possible as cost saving measure as well as increased shade. In addition, community input requested also minimizing Crepe Myrtles.

Tree Planting Program - Cost Summary Sheet

July 2017

ITEM	UNIT	QUANTITY	COST PER	COST
<b>26TH AVENUE SOUTH (34th ST - 16th ST)</b>				
Large Tree	EA	70	\$895.00	\$ 62,650
Accent Tree	EA	86	\$900.00	\$ 77,400
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>156</b>	<b>Subtotal</b>	<b>\$ 140,050</b>
<b>45TH AVENUE SOUTH &amp; LEWIS BLVD (4th ST - ELKCAM BLVD)</b>				
Large Tree	EA	28	\$895.00	\$ 25,060
Accent Tree	EA	14	\$900.00	\$ 12,600
PALM	EA	18	\$1,000.00	\$ 18,000
<b>Subtotal</b>		<b>60</b>	<b>Subtotal</b>	<b>\$ 55,660</b>
<b>ELKCAM BOULEVARD SE (39th AVE - LEWIS DR)</b>				
Large Tree	EA	0	\$895.00	\$ -
Accent Tree	EA	91	\$900.00	\$ 81,900
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>91</b>	<b>Subtotal</b>	<b>\$ 81,900</b>
<b>62ND AVENUE SOUTH &amp; ROY HANNA DR S.</b>				
Large Tree	EA	151	\$895.00	\$ 135,145
Accent Tree	EA	221	\$900.00	\$ 198,900
PALM	EA	78	\$1,000.00	\$ 78,000
<b>Subtotal</b>		<b>450</b>	<b>Subtotal</b>	<b>\$ 412,045</b>
<b>PINELLAS POINT DRIVE (I-275 - 28th ST)</b>				
Large Tree	EA	17	\$895.00	\$ 15,215
Accent Tree	EA	59	\$900.00	\$ 53,100
PALM	EA	0	\$1,000.00	\$ -
<b>Subtotal</b>		<b>76</b>	<b>Subtotal</b>	<b>\$ 68,315</b>
<b>Grand Total</b>		<b>2,185</b>		<b>\$ 1,984,745</b>

Notes:

1. Average cost per large tree. Installation, maintenance and establishment include in price
2. Prices per tree/palm are based upon the average price of plants per each category
3. Total number of trees/palms is subject to change. Final quantities are subject to final design, neighborhood participation, final engineering and surveying, and future development
4. Final tree/palm is subject to change. Final locations are subject to neighborhood participation, final engineering and surveying, and future development.

**TREE PLANTING CORRIDOR ASSESSMENT PROJECT**  
**TREE SPECIES SELECTION MATRIX FOR ROADWAY PLANTING**  
 Prepared for the City of St Petersburg  
 Sharon Wright, AICP, LEED AP BD+C, ENV SP, Project Manager  
 Prepared by Genesis  
 Jim Gilman, RLA, ISA, AICP  
 3-May-17



**GENESIS** **st.petersburg**

	COMMON NAME	BOTANICAL NAME	DECIDUOUS/ EVERGREEN	MATURE HEIGHT	MATURE SPREAD	SUITABILITY OVER			SALT TOLERANCE	FLOWER		FALL COLOR	PREFERRED MINIMUM PLANTING AREA WIDTH (FT)	PREFERRED OFFSET OVERHEAD UTILITIES (FT)	PREFERRED OFFSET UNDERGROUND UTILITIES (FT)
						ROADWAY	BIKE LANE	SIDEWALK		AEROSOL	COLOR				
<b>LARGE TREES</b>															
	LIVE OAK	Quercus virginiana	Evergreen	60	60	yes	yes	yes	yes	n/a	n/a	n/a	15	30	10
	SOUTHERN MAGNOLIA	Magnolia grandiflora	Evergreen	60	30	no	no	no	yes	white	spring	n/a	15	15	10
	BALD CYPRESS	Taxodium distichum	Deciduous	60	25	no	no	no	moderate	n/a	n/a	yellow/copper	10	15	10
	GREEN BUTTWOOD	Conocarpus erectus	Evergreen	40	20	no	no	no	yes	n/a	n/a	n/a	10	15	10
	'ALLEE' ELM	Ulmus parvifolia 'Allee'	Evergreen	40	35	no	no	no	moderate	n/a	n/a	n/a	10	15	10
	WINGED ELM	Ulmus alata	Evergreen	45	35	no	no	no	moderate	n/a	n/a	n/a	10	15	10
<b>ACCENT TREES</b>															
<b>CRAPE MYRTLE:</b>															
	MUSKOGEE CRAPE MYRTLE	Lagerstroemia x faurei 'Muskogee'	Deciduous	20	15	no	no	no	moderate	lavender-pink	summer	yellow/rust	6 to 10	15	10
	NATCHEZ CRAPE MYRTLE	Lagerstroemia x faurei 'Natchez'	Deciduous	25	15	no	no	no	moderate	white	summer	yellow/rust	6 to 10	15	10
	TUSCARORA CRAPE MYRTLE	Lagerstroemia x faurei 'Tuscarora'	Deciduous	20	15	no	no	no	moderate	coral pink	summer	yellow/rust	6 to 10	15	10
	MIAMI CRAPE MYRTLE	Lagerstroemia x faurei 'Miami'	Deciduous	25	20	no	no	no	moderate	dark pink	summer	yellow/rust	6 to 10	15	10
	TUSKEGEE CRAPE MYRTLE	Lagerstroemia x faurei 'Tuskegee'	Deciduous	25	20	no	no	no	moderate	dark pink	summer	yellow/rust	6 to 10	15	10
	SIOUX CRAPE MYRTLE	Lagerstroemia indica 'Sioux'	Deciduous	<20	10	no	no	no	moderate	pink	summer	yellow/rust	5	5	5
	YUMA CRAPE MYRTLE	Lagerstroemia indica 'Yuma'	Deciduous	<20	10	no	no	no	moderate	light lavender	summer	yellow/rust	5	5	5
	ARAPAHO CRAPE MYRTLE	Lagerstroemia x faurei 'Arapaho'	Deciduous	25	20	no	no	no	moderate	red	summer	yellow/rust	6 to 10	15	10
	JAPANESE BLUEBERRY	Eleocarpus decipens	Evergreen	30	30	no	no	no	unknown	white	spring	n/a	5	10	10
	SILVER BUTTWOOD	Conocarpus erectus var. Sericeus	Evergreen	15	15	no	no	no	yes	n/a	n/a	n/a	5	10	10
	TABEBUIA, YELLOW	Tabebuia caraiba	Semideciduous	15	10	no	no	no	moderate	yellow	spring	n/a	5	10	10
	YAUPON HOLLY	Ilex vomitoria	Evergreen	25	12	no	no	no	moderate	n/a	n/a	red berries	5	10	10
	EAGLESTON HOLLY	Ilex x attenuata 'Eagleston'	Evergreen	20	8	no	no	no	moderate	n/a	n/a	red berries	5	10	10
	TABEBUIA, PINK	Tabebuia heterophylla	Semideciduous	20	15	no	no	no	moderate	pink	spring	n/a	5	10	10
	SIMPSON STOPPER	Myrcianthes fragrans	Evergreen	30	20	no	no	no	very	white	periodically	n/a			
<b>PALMS</b>															
	SABAL PALM	Sabal palmetto	Evergreen	40	12	no	no	no	yes	n/a	n/a	n/a	5	10	5
	CHINESE FAN PALM	Livistona chinensis	Evergreen	30	15	no	no	no	moderate	n/a	n/a	n/a	5	10	5
	CARNARVON PALM	Livistona nitida	Evergreen	40	15	no	no	no				n/a	5	10	5
	PINDO PALM	Butia capitata	Evergreen	20	15	no	no	no	low	n/a	n/a	n/a	5	10	5

Note: Species have been pre-selected to have the following characteristics:

1. Resistant to disease.
2. Wind Resistance.
3. Drought Tolerance, irrigation not required.
4. Tolerant of urban (various) Soils.
5. Commercially Available.
6. Demonstrated to Perform in Roadway Environment.
7. Ease of Maintenance.
8. Native or Endemic.
9. Cold Tolerant to 28 degrees F.
10. Species and cultivar diversity



1A.		54th Avenue North	1st Way North	0.10	4	None	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, sewer, and potable	Storm on both; potable on east; sewer under road			NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W west side, <5' from Curb to S/W, <5' from S/W to R/W east side	NA	Oak, Palm, and Pine	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3B.		1st Way North	Barnard Place North	0.08	4	None	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, sewer, and potable	Storm on both; potable on east; sewer under road			NA	15'+ from Curb to S/W, <5' from S/W to R/W west side, <5' from Curb to S/W, <5' from S/W to R/W east side	NA	Oak	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3C.		Barnard Place North	58th Avenue Northeast	0.07	4	None	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, sewer, and potable	Storm on both; potable on east; sewer under road			NA	15'+ from Curb to S/W, <5' from S/W to R/W west side, <5' from Curb to S/W, <5' from S/W to R/W east side	NA	Oak and other	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3D.		58th Avenue Northeast	62nd Avenue Northeast	0.25	4	None	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, sewer, and potable	Storm on both; potable on east; sewer under road; sewer on west beginning at Davison Ave			NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W west side, <5' from Curb to S/W, <5' from S/W to R/W east side	NA	Oak, Palm, and Pine	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3E.		62nd Avenue Northeast	Tennessee Avenue Northeast	0.11	2	Both	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, potable, sewer, and reclaimed	Storm and potable on east; sewer and reclaimed under road			NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W west side, 6'-10" from Curb to S/W, 15'+ from S/W to R/W east side	NA	Oak, Palm, and Pine	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3F.		Tennessee Avenue Northeast	Northeast Lincoln Circle North	0.06	2	Both	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, potable, sewer, and reclaimed	Storm on both; potable on east; reclaimed and sewer under road			NA	15'+ from Curb to S/W, 6'-10" from S/W to R/W west side, 11'-15' from Curb to S/W, 11'-15' from S/W to R/W east side	NA	Oak and Palm	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3G.		Northeast Lincoln Circle North	70th Avenue North	0.32	2	Both	Curbed	Both	DE	East/West	Transmission lines on East Side, several crossings	Storm, potable, sewer, and reclaimed	Storm, sewer, and potable on both; reclaimed on west; sewer and reclaimed under road			NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W west side, 6'-10" from Curb to S/W, <5' from S/W to R/W east side	NA	Oak, Palm, Pine and other	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3H.		70th Avenue North	72nd Avenue North	0.13	2	Both	Curbed	Both	DE	East	Transmission lines on East Side, several crossings	Storm, sewer, reclaimed, and potable	Storm on west; potable and sewer on east; reclaimed and sewer under road			NA	15'+ from Curb to S/W, <5' from S/W to R/W west side, 6'-10" from Curb to S/W, 0' from S/W to R/W east side	NA	Oak and Palm	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3I.		72nd Avenue North	74nd Avenue North	0.15	2	Both	Curbed	Both	DE	East	Few crossings	Storm, sewer, reclaimed, and potable	Storm on west; sewer and potable on east; sewer and reclaimed under road			NA	<5' from Curb to S/W, 15'+ from S/W to R/W west side, 5'-15'+ from Curb to S/W, 5'-15'+ from S/W to R/W east side	NA	Oak, Palm, and Pine	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3J.		74nd Avenue North	76nd Avenue North	0.10	2	Both	Curbed	Both	DE	East/West	Light on west side, few crossings	Storm, sewer, sewer, and reclaimed	Storm and potable on west; storm, potable, and reclaimed on east; sewer under road			NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W west side, 11'-15' from Curb to S/W, <5' from S/W to R/W east side	NA	Oak, Palm, and other	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
3K.		76nd Avenue North	78nd Avenue North	0.13	2	Both	Curbed	Both	DE	East	Few crossings and low hanging in some places	Storm, potable, sewer, and reclaimed	Storm on both; potable on east; sewer and reclaimed under road			NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W west side, 6'-10" from Curb to S/W, 6'-10" from S/W to R/W east side	NA	Oak, Palm, and other	Residential Landscape	Yes, Shade Trees		NA
4	45TH AVENUE SOUTH & LEWIS BLVD	4TH STREET SOUTH	ELKCAM BLVD SE	0.56 MILES																			
4A.		45th Street South	Sunrise Drive South	0.14	2	Both	Curbed	Both	DE	North	No crossings	Sewer, potable, and reclaimed	Potable on north; reclaimed on south; sewer and potable in median			20'	15'+ from Curb to S/W, 0' from S/W to R/W north side, 11'-15' from Curb to S/W, 6'-10" from S/W to R/W south side	Yes	Palm and Oak trees, median plantings	Residential Landscape	Yes, Accent trees	Yes, Palms	Yes
4B.		Sunrise Drive South	Menhaden Drive Southeast	0.23	2	Both	Gutter only	South	DE	North	No crossings	Storm, potable, sewer, and reclaimed	Storm on north; potable and reclaimed on south; sewer under road			NA	<5' from Gutter to R/W, north side, 6'-10" from Curb to S/W, 15'+ from S/W to R/W south side	NA	Oak, Palm, and other	Residential Landscape	None	Yes, Shade Trees	NA
4C.		Menhaden Drive Southeast	Elkcam Boulevard Southeast	0.19	2	Both	Curbed	South	DE	North/South	Few crossings	Potable and reclaimed	South and east; potable also under road			NA	<5' from Gutter to R/W, north side, 6'-10" from Curb to S/W, 15'+ from S/W to R/W south side	NA	Oak, Palm, and other	Residential Landscape	None	Yes, Shade Trees	NA
5	ELKCAM BOULEVARD SE	39TH AVE SE	LEWIS DRIVE SE	0.4 MILES																			
5A.		39th Avenue Southeast	Neptune Drive Southeast	0.26	2	Both	Curbed	Both	DE	North	Few crossings	Potable, sewer, and reclaimed	Potable on south; reclaimed in median; several sewer crossings			15'	<5' from Curb to S/W, 0' from S/W to R/W north side, <5' from Curb to S/W, 6'-10" from S/W to R/W south side	Yes	Oak, Palm, and other	Residential Landscape	None	None	None
5B.		Neptune Drive Southeast	Lewis Drive Southeast	0.14	2	None	Curbed	South	DE	North/South	Few crossings, light on south side	Potable, reclaimed, and sewer	Potable on both; reclaimed on north; sewer under road			NA	15'+ from Curb to R/W, north side, 11'-15' from Curb to S/W, <5' from S/W to R/W south side	NA	Oak, Palm, and other	Residential Landscape	Yes, Accent Trees	Yes, Accent Trees	NA
6	62ND AVENUE SOUTH & ROY HANNA DR S.	PINELLAS POINT DR.	4TH STREET SOUTH	2.0 MILES																			
6A.		Pinellas Point Drive South	25th Street South	0.10	2	Both	No Curb	South	DE	North/South	Few crossings, light on south side	Potable, storm, and reclaimed	North			NA	15'+ from Curb to R/W, north side, 15'+ from Curb to S/W, 6'-10" from S/W to R/W south side	NA	Oak, Pine, and Palm	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees	NA
6B.		25th Street South	22nd Street South	0.20	2	None	No Curb	Both	DE	North/South	Few crossings, light on south side	Potable, sewer, reclaimed, and storm	North; several crossings			NA	15'+ from Curb to S/W, <5' from S/W to R/W, north side, 15'+ from Curb to S/W, <5' from S/W to R/W south side	NA	None	Residential buffer on north side, large swale on south side	Yes, Shade Trees	Yes, Accent Trees	NA
6C.		22nd Street South	Dr. Martin Luther King Jr Street South	1.00	2	None	No Curb	Both	DE	North/South	Several crossings	Potable, reclaimed, and storm	Both; several crossings			NA	15'+ from Curb to S/W, <5' from S/W to R/W, north side, 15'+ from Curb to S/W, <5' from S/W to R/W south side	NA	Oak, Palm, and other	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees	NA

6D.		Dr. Martin Luther King Jr. Street South	7th Street South	0.45	2	Both	Curbed	Both	OE	North/South	Several crossings	Potable, storm, and sewer	Potable on north; sewer under road; several storm crossings		NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W, north side, 6'-10" from Curb to S/W, 15'+ from S/W to R/W south side	NA	Oak, Palm, Pine, and other	Residential Landscape	Yes, Shade Trees	Yes, Shade Trees	NA
6E.		7th Street South	4th Street South	0.25	2	Both	Curbed	Both	OE	North/South	Several crossings	Potable, storm, and sewer	Potable on north; sewer under road; several storm crossings		NA	6'-10" from Curb to S/W	NA	Oak, Palm, Pine, and other	Residential Landscape	Yes, Palms	Yes, Palms	NA
7	54TH AVENUE SOUTH	34TH STREET SOUTH	22ND STREET SOUTH	1.0 MILES																		
		34th Street South	22nd Street South	1.00	4	None	Curbed	Both	OE	North/South	Few crossings	Storm, potable, reclaimed, and sewer	Storm on the north; potable on south; reclaimed and sewer in median		10'-30'	<5' from Curb to S/W, 0' from S/W to R/W, north side, <5' from Curb to S/W, 0' from S/W to R/W south side	Yes	Oak, Palm, Pine, and other	Commercial & Residential Landscape	None	None	Yes
8	26TH AVENUE SOUTH	34TH STREET S.	16TH STREET SOUTH	1.5 MILES																		
		34th Street South	31st Street South	0.25	4	Both	Curbed	Both	Overpass	Perpendicular	Interstate overpass	Potable, sewer, and storm	Potable on north; sewer in median; several storm crossings		0'-20', Currently concrete	<5' from Curb to S/W, <5' from S/W to R/W, north side, <5' from Curb to S/W, <5' from S/W to R/W south side	NA	Palms	Interstate planting, Commercial, and residential	Minimal Accent trees and palms	Minimal Accent trees and palms	NA
8B.																						
		31st Street South	28th Street South	0.13	2	Both	Curbed	Both	OE	Both	Several crossings	Potable, sewer, and storm	Potable on north; sewer and storm in median; several storm crossings		NA	15'+ from Curb to S/W, <5' from S/W to R/W, north side, 15'+ from Curb to S/W, 11'-15' from S/W to R/W south side	NA	Oak, Palm, Pine, and other	Residential Landscape	Yes, Accent Trees and palms	Yes, Shade Trees	NA
8C.																						
		28th Street South	26th Street South	0.15	2	Both	Curbed	Both	OE	Both	Several crossings	Potable, sewer, and storm	Potable on north; sewer in median; several storm crossings		NA	6'-10" from Curb to S/W, 0' from S/W to R/W, north side, <5' from Curb to S/W, 15'+ from S/W to R/W south side	NA	Oak, Palm, Pine, and other	Residential Landscape	Minimal Shade Trees	None	NA
8D.																						
		26th Street South	20th Street South	0.60	2	Both	Curbed	Both	OE	North	Few crossings	Potable, sewer, and storm	Potable on both; storm on south; sewer under road		NA	6'-10" from Curb to S/W, 15'+ from S/W to R/W, north side, <5' from Curb to S/W, 15'+ from S/W to R/W south side	Yes	Oak, Palm, Pine, and other	Residential Landscape	Yes, Shade Trees; accent trees	Yes, Shade Trees	NA
8E.																						
		20th Street South	18th Street South	0.12	2	Both	Curbed	Both	OE	North	Few crossings	Potable, storm, and sewer	Potable on both; sewer under road; several storm crossings		0'-10'	6'-10" from Curb to S/W, 15'+ from S/W to R/W, north side, 15'+ from Curb to S/W, 11'-15' from S/W to R/W south side	Yes	Oak, Palm, and other	Residential Landscape	Yes, Accent Trees	Yes, Shade Trees	None
		18th Street South	16th Street South	0.25	2	Both	Curbed	Both	OE	North	Few crossings	Potable, storm, and sewer	Potable on both; sewer under road; several storm crossings		0'-10'	15'+ from Curb to S/W, 0'+ from S/W to R/W, north side, 15'+ from Curb to S/W, 11'-15' from S/W to R/W south side	NA	Oak, Palm, Pine, and other	Residential Landscape	Yes, Accent Trees	Yes, Shade Trees	None
9	5TH AVENUE SOUTH	40TH STREET SOUTH	37TH STREET SOUTH	1.05 MILES																		
		40th Street South	46th Street South	0.25	4	None	Curbed	Both	OE	North	Light	Potable and storm	Potable on north with few crossings; storm crosses road		NA	<5' from Curb to S/W, 11'-15' from S/W to R/W, north side, <5' from Curb to S/W, 11'-15' from S/W to R/W south side	NA	Oak and Palm	Residential Landscape	Yes, Shade Trees	Yes, Shade Trees	NA
9B.																						
		46th Street South	42nd Street South	0.35	4	None	Curbed	Both	OE	North	Light	Potable and storm	Potable on north with few crossings; several storm crossings		NA	<5' from Curb to S/W, <5' from S/W to R/W, north side, <5' from Curb to S/W, 0' from S/W to R/W south side	NA	Oak, palms, and other	Residential Landscape	None	Yes, Shade Trees	NA
9C.																						
		42nd Street South	40th Street South	0.20	4	None	Curbed	Both	OE	North	Light	Potable	Potable	North	NA	<5' from Curb to S/W, <5' from S/W to R/W, north side, 15'+ from Curb to S/W, 15'+ from S/W to R/W south side	NA	None	Residential Landscape	None	Yes, Shade Trees	NA
9D.																						
		40th Street South	37th Street South	0.25	4	None	Curbed	Both	OE	North	Light	Potable and sewer	Potable on north; several sewer and potable crossings		NA	<5' from Curb to S/W, 15'+ from S/W to R/W, north side, 15'+ from Curb to S/W, 11'-15' from S/W to R/W south side	NA	Oak, Palm, Pine, and other	Residential Landscape	Yes, Shade Trees	Yes, Shade Trees	NA
10	18TH AVENUE SOUTH	49TH STREET SOUTH	22ND STREET SOUTH	2.1 MILES																		
		49th Street South	46th Street South	0.25	2	Both	Curbed	Both	OE	North	Light	Storm, sewer, and potable	Storm and sewer on north; potable under road		NA	<5' from curb to S/W, 15'+ from S/W to R/W, north side; <5' from curb to S/W, 15'+ from S/W to R/W south side	NA	Oak, Palm, and Pine	Residential Landscape	Yes, Shade Trees	Yes, Shade Trees	NA
10B.																						
		46th Street South	44th Street South	0.10	4	None	Curbed	Both	OE	North	Light	Potable	Potable	South	NA	15'+ from curb to S/W, <5' from S/W to R/W, north side; 15'+ from curb to S/W, <5'+ from S/W to R/W, south side	NA	Oak	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Shade Trees	NA
10C.																						
		44th Street South	41st Street South	0.25	4	None	Curbed	Both	OE	North	Light	Sewer and Potable	Sewer on north; potable on south		NA	<5' from curb to S/W, 15'+ from S/W to R/W, north side; <5' from curb to S/W, 6'-10' from S/W to R/W, south side	NA	Oak and other	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms	NA
10D.																						
		41st Street South	40th Street South	0.10	4	None	Curbed	Both	OE	North	Light	Sewer and Potable	Sewer on north; potable on south		NA	15'+ from curb to S/W, <5' from S/W to R/W, north side; 15'+ from curb to S/W, 6'-10' from S/W to R/W, south side	NA	Oak, Palm, and Pine	Residential Landscape	Yes, Shade Trees	Yes, Accent Trees and Palms	NA
10E.																						
		40th Street South	37th Street South	0.25	2	Both	Curbed	Both	OE	North	Light	Sewer and Potable	Sewer on north; potable on south		NA	11'-15' from curb to S/W, 11'-15' from S/W to R/W, north side; 11'-15' from curb to S/W, <5' from S/W to R/W	NA	Oak, Palm, and Pine	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms near and beneath power lines	NA
10F.																						
		37th Street South	35th Street South	0.10	2	Both	Curbed	Both	OE	North	Light	Storm and potable	Potable on both; storm on north		NA	15'+ from curb to R/W, S/W outside of R/W, north side; 11'-15' curb to S/W, <5' S/W to R/W south side	NA	Oak and Palm	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Accent Trees and Palms	NA
10G.																						
		35th Street South	34th Street South	0.10	2	Both	Curbed	Both	OE	North	Light	Storm and potable	Potable on both; storm on north		NA	15'+ from curb to R/W, S/W outside of R/W, north side; <5' curb to S/W, <5' S/W to R/W south side	NA	Oak, Palm, Pine and other	Residential Landscape and large Oaks	Yes, Shade Trees	No	NA

10H.		34th Street South	31st Street South	0.25	2	Both	Curbed	Both	DE	North	Light	Sewer and potable	Sewer under road; potable on south			NA	6'-10' from curb to S/W, <5' from S/W to R/W, north side; 6'-10' from curb to S/W, <5' from S/W to R/W, south side	NA	Oak and Palm	Residential Landscape	Yes, Accent Trees and Palms	Yes, Accent Trees and Palms	NA
10I.		31st Street South	30th Street South	0.10	2	Both	Curbed	Both	DE	North	Light and Power	Storm and potable	Potable on both; storm on south			NA	11'-15' from curb to S/W, <5' from S/W to R/W, north side; 15'+ from curb to S/W, 6'-10' from S/W to R/W, south side	NA	Oak, Palm, and Pine	Residential Landscape	Yes, Accent Trees and Palms	Yes, Accent Trees and Palms	NA
10J.		30th Street South	26th Street South	0.30	2	Both	Curbed	Both	DE	North	Light	Storm, sewer, and potable	Potable and storm on south; sewer on north			NA	<5' from curb to S/W, 6'-10' from S/W to R/W, north side; 15'+ from curb to S/W, 6'-10' from S/W to R/W, south side	NA	Oak, Palm, and other	Residential Landscape	Yes, Accent Trees and Palms	Yes, Shade Trees	NA
10K.		26th Street South	25th Street South	0.05	2	Both	Curbed	Both	NA	NA	NA	Storm and Potable	Storm under road; potable on south			NA	6'-10' from curb to S/W, <5' from S/W to R/W, north side; 15'+ from S/W to R/W, south side	NA	Oak, Palm, and other	Residential Landscape	Yes, Accent Trees and Palms	Yes, Shade Trees	NA
10L.		25th Street South	23rd Street South	0.20	2	Both	Curbed	Both	DE	North	Transmission lines, few crossings	Storm and Potable	Storm under road; potable on south			NA	<5' from curb to S/W, <5' from S/W to R/W, north side; <5' from curb to S/W, 6'-10' from S/W to R/W, south side	NA	Oak, Palm, and other	Residential Landscape	Yes, Accent Trees and Palms	Yes, Accent Trees and Palms	NA
10M.		23rd Street South	22nd Street South	0.05	2	Both	Curbed	Both	DE	North	Light	Storm and Potable	Storm under road; potable on south			NA	<5' from curb to S/W, <5' from S/W to R/W, north side; 11'-15' from curb to S/W, 6'-10' from S/W to R/W, south side	NA	Oak, Palm, and other	Residential Landscape	Yes, Accent Trees and Palms	Yes, Accent Trees	NA
11	30TH AVENUE NORTH	71ST STREET NORTH	66TH STREET NORTH	0.5 MILES																			
11A.		71st Street North	70th lane North	0.05	2	None	Curbed	North	NA	NA	NA	Storm, sewer, and potable	Potable on both, reclaimed under road			NA	<5' from Curb to S/W, 15'+ from S/W to R/W, north side; 15'+ curb to R/W, south side	NA	Oak, Pine, and Palm	Minimum	Yes, Shade Trees, Accent Trees, and Palms	Yes, Shade Trees, Accent Trees, and Palms	NA
11B.		70th lane North	70th Street North	0.07	2	None	Curbed	North	DE	South	Transmission lines	Storm, sewer, and potable	Storm on south; reclaimed on north; potable on south and under road			NA	15'+ from curb to S/W, <5' from S/W to R/W, north side; 15'+ from curb to R/W, south side	NA	Oak	Minimum	Yes, Shade Trees	Yes, Accent Trees near and beneath power lines	NA
11C.		70th Street North	68th Street North	0.13	2	None	Curbed	NA	DE	South	Light, low hanging in areas	Storm, sewer, and potable	Potable on both; reclaimed on north; storm on south			NA	15'+ from curb to R/W, both sides	NA	Oak and other	Residential Landscape and large Oaks	Yes, Shade Trees	Yes, Shade Trees	NA
11D.		68th Street North	66th Street North	0.25	2	None	Curbed	Both	DE	Median	Light	Storm, reclaimed, and potable	Potable on both, reclaimed and storm in median			NA	6'-10' from curb to R/W, both sides	NA	Palm and other	Residential Landscape	Yes, Accent trees and Palms	Yes, Accent trees and Palms	Yes
12	PINELLAS POINT DRIVE	I-275	28TH STREET SOUTH	0.5 MILES																			
12A.		I-275	31st Street South	0.20	4	South	Curbed	Both	DE	North	Transmission lines	Storm, sewer, and potable	Potable on both; sewer and storm on south; reclaimed under road			NA	6'-10' from curb to S/W, <5' from S/W to R/W, north side; 6'-10' from curb to S/W, <5' from S/W to R/W, south side	NA	Oak	Residential Landscape	Yes, Accent Trees under power lines	Yes, Accent Trees	Yes
12B.		31st Street South	Canton Street South	0.15	2	South	Curbed	South	DE	North	Transmission lines, few crossings	Storm, sewer, and potable	Potable on both; sewer and storm on south; reclaimed under road			NA	15'+ from curb to R/W, north side; 15'+ from curb to S/W, <5' from S/W to R/W, south side	NA	Palm and Oak	Residential Landscape and large Oaks	Yes, Accent Trees under power lines	Yes, Shade Trees	NA
12C.		Canton Street South	28th Street South	0.15	2	South	Curbed	South	DE	East/West	Transmission lines on East Side, several crossings	Storm, sewer, and potable	Storm on both; potable on east; sewer under road			NA	15'+ from curb to R/W, north side; 6'-10' from curb to S/W, 15'+ from S/W to R/W, south side	NA	Oak and other	Residential Landscape and large Oaks	Yes, Accent Trees under power lines	Yes, Shade Trees	NA

**Additional notes:**

1. Corridor assessment matrix and graphics are for discussion purposes only. Actual tree locations and species are subject to change.
2. Actual tree locations are dependent upon preferred offsets from above and underground utilities and infrastructure.
3. Corridor assessment matrix and graphics are not be considered construction documents.



18th Ave S  
49th St S to 22nd St S



0 50 100  
Feet  
24x36 Scale

0 100 200  
Feet  
11x17 Scale

- LEGEND**
- Large Tree
  - Palm
  - Accent Tree
  - Sewer Force and Gravity Mains
  - Storm Gravity Mains
  - Reclaimed Water Mains
  - Potable Water Mains
  - Parcel Boundary

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