

Rodney Tree Evaluation

The City of Newark International Society of Arboriculture (ISA) Certified Staff member evaluated all the trees in the park area. Their evaluation is based on the draft plan of the project and was completed on March 19.

The trees marked with a white dot are considered healthy trees although they will need dead wooding and pruning. The trees that are marked with an X have some structural flaws or will be compromised due to the proposed park plans for the sight. Not all of the trees marked with an X have to be removed, pending the results of the Tree Risk Assessment Study which will be conducted by an independent ISA Arborist.

1. **Sweet Gum** – Has girdling roots with several large broken branch stubs throughout the crown of the tree. The crown also has the early stages of decline and is beginning to be seen throughout the tree. Due to the new path location, there is potential the root structure will be damaged.
2. **Sweet Gum** – The root flare is buried. When removal of existing curb line and road, there is potential the root structure will be damaged.
3. **Sweet Gum** – When removal of the existing curb line and road, there is potential the root structure will be damaged.
4. **Sweet Gum** – The crown also has the early stages of decline and is beginning to be seen throughout the tree. The root flare is buried.
5. **Sweet Gum** – The crown also has the early stages of decline and is beginning to be seen throughout the tree. The root flare is buried.
6. **Maple** – Declining in health, one lead is in severe decline.
7. **Sweet Gum** – Large cavity at the base of the tree. The tree in its existing condition is an extreme liability and needs to be removed.
8. **Sweet Gum** – Due to the removal of the existing curb and road and the installation of the new proposed path the tree will lose over 50% of its root structure.
9. **Sweet Gum** – Due to the removal of the existing curb and road and the installation of the new proposed path the tree will lose over 50% of its root structure.
10. **Persimmon** – This tree is very sensitive to changes in grade and has damage from mowers hitting it. Due to the removal of the existing curb and road and the installation of the new proposed path the tree will lose a portion of its root structure.
11. **Sweet Gum** – The root flare is buried.
12. **Honey Locust** – Located in the proposed concrete walk.
13. **Oak** – Has girdling root issue on the backside of the tree and is in the playground area that will have safety surface installed.
14. **Oak** – The tree is in good condition however, when the removal of the existing hard surface areas around the tree occur concern for root damage. If the hard surface is removed with extreme care, the tree could potentially be saved. We will reevaluate the root system after the hard surface is removed.
15. **Sweet Gum** – The tree is in good condition however, when the removal of the existing hard surface areas around the tree occur concern for root damage. If the hard surface is removed

with extreme care, the tree could potentially be saved. We will reevaluate the root system after the hard surface is removed.

16. **Oak** – The tree is in good condition however, when the removal of the existing hard surface areas around the tree occur concern for root damage. If the hard surface is removed with extreme care, the tree could potentially be saved. We will reevaluate the root system after the hard surface is removed.
17. **Oak** – The tree needs to be removed due to the grade of the area increasing and burying the root flare and root structure.
18. **Oak** – The tree is in good condition however, due to the proposed location of the new walkway approximately 50% of the root structure could be compromised.
19. **Oak** – The tree is in good condition however, due to the proposed location of the new walkway approximately 50% of the root structure could be compromised.
20. **Maple (Boxelder)** – The tree is in severe decline and needs to be removed.
21. **Honey Locust** – Root damage to the tree and half of the crown has been removed due to hard pruning because of the overhead power line. The tree needs to be removed.

Explanation of terms:

Root Flare Buried – The Root Flare is an area where a vital gas/air exchange occurs, when it is buried it affects the health of the tree.

Girdling Roots – A tree is girdled when the root is tightly wrapped around the trunk or stem. A stem girdling root circles or partially circles the base of a tree at or just below the soil surface. Girdling Roots choke off the flow of water and nutrients between the roots and branches and food produced in the leaves from reaching the roots. They can also compress and weaken the trunk of a tree at or above the root collar flare (the junction between the trunk and the main roots) causing it to lean and lose its stability. Trees having stem girdling roots suffer a slow decline in health and eventually a premature death of the tree.

See page 3 for a mapped landscape plan.

LEGEND

TREE TO REMAIN WILL
NEED TO BE TRIMMED



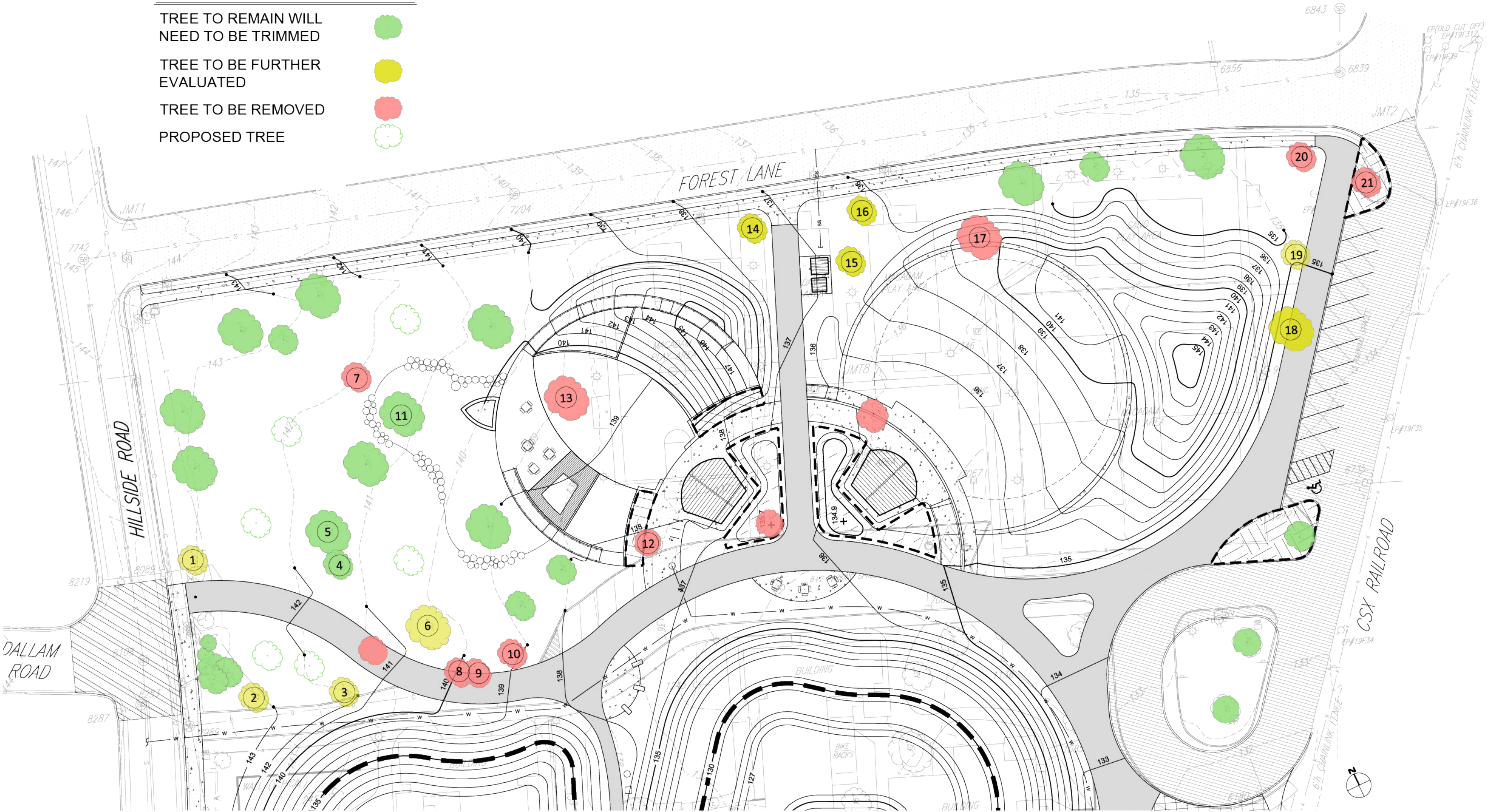
TREE TO BE FURTHER
EVALUATED



TREE TO BE REMOVED



PROPOSED TREE



MISS UTILITY
OF
DELMARVA

BEFORE YOU DIG CALL
1-800-282-8555 (in Del.)
1-800-441-8355 (Md., Va.)
PROTECT YOURSELF, GIVE TWO
WORKING DAYS NOTICE

PREPARED BY:



JOHNSON, MIRMIRAN & THOMPSON
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ENGINEER SEAL

REV.

DESCRIPTION

DRAWN

DATE

PREPARED FOR:



APPROVALS

DRAWN BY:
CHECKED BY:
ENGINEER:
OPERATIONS:
REVISION:

DATE

CITY OF NEWARK
PUBLIC WORKS & WATER RESOURCES DEPARTMENT
REDEVELOPMENT OF THE RODNEY COMPLEX -
PUBLIC PARK SITE AMENITIES

SHEET TITLE:
EXISTING TREE EXHIBIT

SCALE: NTS

SHEET NO:

DWG NO.

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