



100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 42 |

| | | | |
|--|---|---|---|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 24.74" W 73° 43' 3.28" Time: 3:06 |
| Specimen: | Common Name: OAK, WILLOW | Scientific name: <i>Quercus phellos</i> | |
| Descriptor | Value | Range | |
| Girth | 8" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 40-45' | Approximate Height to top of Canopy | |
| Canopy | N 15' ,S 7' ,E 7' ,W 13' | Canopy Radius in Feet - North South East West | |
| Condition | 4 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | M | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Growing in planting bed with another Willow Oak and shrubs; minor mechanical damage on exposed roots from landscape maintenance. | | |
| Trunk Condition and Main Scaffold Branches | Good trunk structure. | | |
| Crown/Structure , Branches & Leaves | Uneven canopy due to location underneath canopy of large Honeylocust and proximity to the other Willow Oak; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | North west corner of park, north of last picnic structure. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |
| <p>Notes: Growing underneath the canopy of adjacent Honeylocust. This tree was planted too close to another Willow Oak only 7' away, this will likely cause future problems for both trees due to the average full size of these species. Recent improper pruning to scaffold branches on the east side of the tree.</p> <p>Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. The Town should implement a comprehensive program of tree management including soil testing.</p> | | | |
| | | | Level of Urgency |
| | | | 5 |

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 43 |

| | | | |
|--|---|---|---|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 24.76" W 73° 43' 3.17" Time: 3:11 |
| Specimen: | Common Name: OAK, WILLOW | Scientific name: <i>Quercus phellos</i> | |
| Descriptor | Value | Range | |
| Girth | 11" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 45-50' | Approximate Height to top of Canopy | |
| Canopy | N 12' ,S 9' ,E 13' ,W 7' | Canopy Radius in Feet - North South East West | |
| Condition | 4 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | M | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Growing in planting bed with another Willow Oak and shrubs. | | |
| Trunk Condition and Main Scaffold Branches | Good trunk structure. | | |
| Crown/Structure , Branches & Leaves | Uneven canopy due to close proximity to other Willow Oak; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | North west corner of park, north of last picnic structure. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: This tree was planted too close to another Willow Oak only 7' away, this will likely cause future problems for both trees due to the average full size of these species. Recent improper pruning to scaffold branches on the west side of the tree.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. The Town should implement a comprehensive program of tree management including soil testing.

| |
|------------------|
| Level of Urgency |
| 5 |

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None



| | | | | | | | | | |
|---|--|---|--|--|--|---|--|-------------------------|-----------|
|  | | 100 Crossways Park Drive West, Ste 104 Woodbury, New York 11797 | | t: 516.364.0660 f: 516.364.0668 | | www.bthayerassociates.com | | Assignment: | Tree No.: |
| | | | | | | | | 1 | 44 |
| Arborist Assessment Report | | | | Location: Manorhaven Beach Park - Port Washington, NY | | | | Date: 12/09/2015 | |
| Inspector: Dan Maher | | | | Weather: Overcast | | Lat/Long: N 40° 50' 24.91" W 73° 42' 59.28" | | Time: 3:15 | |
| Specimen: | | Common Name: DOUGLAS FIR | | Scientific name: <i>Pseudotsuga menziesii</i> | | | | | |
| Descriptor | | Value | | Range | | | | | |
| Girth | | 10" | | <i>Trunk Diameter Measured at Breast Height (DBH)</i> | | | | | |
| Approx. Height | | 39' | | <i>Approximate Height to top of Canopy</i> | | | | | |
| Canopy | | N 6' ,S 7' ,E 7' ,W 7' | | <i>Canopy Radius in Feet - North South East West</i> | | | | | |
| Condition | | 2 | | <i>Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent</i> | | | | | |
| Approx. Age | | E | | <i>NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development</i> | | | | | |
| Tree/Root Base/Pit | | Major root damage due to excavation for a 10' x 10' concrete foundation for new light pole less than 1' away from trunk; major basal decay. | | | | | | | |
| Trunk Condition and Main Scaffold Branches | | Major damage to trunk causing decay; dead scaffold branches. | | | | | | | |
| Crown/Structure , Branches & Leaves | | Poor crown structure and discoloration of needles; branch die-back. | | | | | | | |
| Pest / Disease | | No noticeable signs. | | | | | | | |
| Setting | | North end of park adjacent to baseball field. | | | | | | | |
| Character | | Y | | <i>Does the tree make an important contribution to the character or amenity of the area?</i> | | | | | |
| | | Indigenous | | <i>Is the tree indigenous, rare, endangered, invasive or exotic?</i> | | | | | |
| Habitat | | N | | <i>Does the tree represent important habitat for native fauna?</i> | | | | | |
| | | N | | <i>Is the tree part of a wildlife Corridor, Buffer, etc?</i> | | | | | |
| Notes: Recent excavation for a 10' x 10' concrete foundation for new light pole less than 1' from trunk has caused major damage to large roots and compaction from heavy machinery. | | | | | | | | | |
| Recommendations: Remove tree due to evidence of continuous decline. For tree replacement it is recommended to use Picea pungens 'Glauca'. Replacements should be planted immediately following removals and it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing. | | | | | | | | Level of Urgency | |
| | | | | | | | | 3 | |
| Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None | | | | | | | | | |
|  | | | | | | | | | |

| | | | | | | | | | |
|--|--|--|--|---|--|---|--|------------------|-----------|
|  | | 100 Crossways Park Drive West, Ste 104 Woodbury, New York 11797 | | t: 516.364.0660 f: 516.364.0668 | | www.bthayerassociates.com | | Assignment: | Tree No.: |
| | | | | | | | | 1 | 45 |
| Arborist Assessment Report | | | | Location: Manorhaven Beach Park - Port Washington, NY | | | | Date: 12/09/2015 | |
| Inspector: Dan Maher | | | | Weather: Overcast | | Lat/Long: N 40° 50' 19.09" W 73° 42' 57.17" | | Time: 3:21 | |
| Specimen: | | Common Name: MAPLE, RED | | Scientific name: <i>Acer rubrum</i> | | | | | |
| Descriptor | | Value | | Range | | | | | |
| Girth | | 18" | | Trunk Diameter Measured at Breast Height (DBH) | | | | | |
| Approx. Height | | 30-35' | | Approximate Height to top of Canopy | | | | | |
| Canopy | | N 12' ,S 17' ,E 16' ,W 15' | | Canopy Radius in Feet - North South East West | | | | | |
| Condition | | 3 | | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | | | | | |
| Approx. Age | | E | | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | | | | | |
| Tree/Root Base/Pit | | Planted in sand. | | | | | | | |
| Trunk Condition and Main Scaffold Branches | | Codominant leader; multiple dead scaffold branches. | | | | | | | |
| Crown/Structure , Branches & Leaves | | Small branch die-back; multiple dead and broken branches hanging in the crown; tree was not assessed during full leaf. | | | | | | | |
| Pest / Disease | | No noticeable signs. | | | | | | | |
| Setting | | Inside park, on the beach. | | | | | | | |
| Character | | Y | | Does the tree make an important contribution to the character or amenity of the area? | | | | | |
| | | Indigenous | | Is the tree indigenous, rare, endangered, invasive or exotic? | | | | | |
| Habitat | | N | | Does the tree represent important habitat for native fauna? | | | | | |
| | | N | | Is the tree part of a wildlife Corridor, Buffer, etc? | | | | | |
| Notes: Two benches directly below canopy, evidence of recent pruning and removal of scaffold branches. | | | | | | | | | |
| Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead and damaged branches. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. The Town should implement a comprehensive program of tree management including soil testing. | | | | | | | | Level of Urgency | |
| | | | | | | | | 2 | |
| Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None | | | | | | | | | |
|  | | | | | | | | | |



100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 46 |

| | | | |
|--|---|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 19.11" W 73° 42' 56.56" Time: 3:32 |
| Specimen: | Common Name: MAPLE, RED | Scientific name: <i>Acer rubrum</i> | |
| Descriptor | Value | Range | |
| Girth | 16" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 25-30' | Approximate Height to top of Canopy | |
| Canopy | N 16' ,S 11' ,E 17' ,W 13' | Canopy Radius in Feet - North South East West | |
| Condition | 2 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Planted in sand, girdling roots. | | |
| Trunk Condition and Main Scaffold Branches | Major vertical cracks on trunk causing trunk rot; main leader has broken off entirely; major dead and broken scaffold branches. | | |
| Crown/Structure , Branches & Leaves | Poor crown structure; major small branch die-back; broken branches hanging in crown; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, on the beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Two benches directly below canopy, evidence of recent pruning.

Recommendations: Remove tree due to current condition and anticipated decline.

| |
|------------------|
| Level of Urgency |
| 2 |

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 47 |

Arborist Assessment Report

Location: Manorhaven Beach Park - Port Washington, NY

Date: 12/09/2015

Inspector: Dan Maher

Weather: Overcast

Lat/Long: N 40° 50' 19.14" W 73° 42' 56.02"

Time: 3:39

| | | | | |
|-----------------------|---------------------------|---|-------------------------|--------------------|
| Specimen: | Common Name: | MAPLE, RED | Scientific name: | <i>Acer rubrum</i> |
| Descriptor | Value | Range | | |
| Girth | 17" | Trunk Diameter Measured at Breast Height (DBH) | | |
| Approx. Height | 20-25' | Approximate Height to top of Canopy | | |
| Canopy | N 15' ,S 15' ,E 9' ,W 11' | Canopy Radius in Feet - North South East West | | |
| Condition | 2 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | | |

| | | | |
|---|--|--|--|
| Tree/Root Base/Pit | Planted in sand | | |
| Trunk Condition and Main Scaffold Branches | Major vertical cracks on trunk with open wounds appearing to have wetwood; main leader has broken off entirely; major dead and broken scaffold branches. | | |
| Crown/Structure , Branches & Leaves | Poor crown structure; major small branch die-back; tree was not assessed during full leaf. | | |
| Pest / Disease | Evidence of bacterial wetwood on trunk wounds. | | |
| Setting | Inside park, on the beach. | | |

| | | |
|------------------|------------|---|
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? |
| Habitat | N | Does the tree represent important habitat for native fauna? |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? |

Notes: Two benches directly below canopy, evidence of recent major pruning to scaffold and small branches.

Recommendations: Remove tree due to current condition and anticipated decline.

Level of Urgency

2

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 48 |

| | | | |
|--|--|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 19.26" W 73° 42' 53.94" Time: 3:45 |
| Specimen: | Common Name: MAPLE, RED | Scientific name: <i>Acer rubrum</i> | |
| Descriptor | Value | Range | |
| Girth | 22" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 20-25' | Approximate Height to top of Canopy | |
| Canopy | N 22' ,S 17' ,E 19' ,W 16' | Canopy Radius in Feet - North South East West | |
| Condition | 3 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Planted in sand; minor girdling roots. | | |
| Trunk Condition and Main Scaffold Branches | Major dead and broken scaffold branches. | | |
| Crown/Structure , Branches & Leaves | Dead and broken smaller branches, moderate fruiting; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, on the beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Two benches directly below canopy, evidence of recent pruning to scaffold branches.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead and damaged branches. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

3

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 49 |

| | | | |
|--|---|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 19.23" W 73° 42' 53.31" Time: 4:01 |
| Specimen: | Common Name: MAPLE, RED | Scientific name: <i>Acer rubrum</i> | |
| Descriptor | Value | Range | |
| Girth | 16" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 20-25' | Approximate Height to top of Canopy | |
| Canopy | N 19' ,S 15' ,E 14' ,W 17' | Canopy Radius in Feet - North South East West | |
| Condition | 3 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Planted in sand; major girdling roots. | | |
| Trunk Condition and Main Scaffold Branches | Dead scaffold branches. | | |
| Crown/Structure , Branches & Leaves | Moderate small branch structure and foliage; minor dead smaller branches; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, on the beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

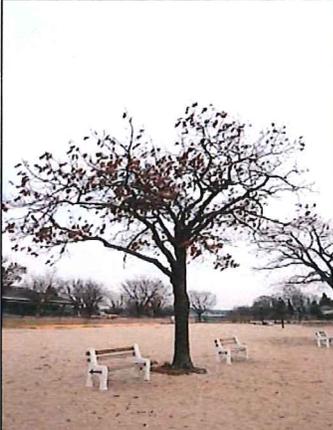
Notes: Two benches directly below canopy, evidence of recent pruning to scaffold branches.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead and damaged branches. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None

3





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 50 |

| | | | |
|--|--|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 19.16" W 73° 42' 52.68" Time: 3:52 |
| Specimen: | Common Name: MAPLE, RED | Scientific name: <i>Acer rubrum</i> | |
| Descriptor | Value | Range | |
| Girth | 18" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 20-25' | Approximate Height to top of Canopy | |
| Canopy | N 22' ,S 16' ,E 17' ,W 15' | Canopy Radius in Feet - North South East West | |
| Condition | 3 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Planted in sand. | | |
| Trunk Condition and Main Scaffold Branches | Trunk and scaffold branches are in good condition. | | |
| Crown/Structure , Branches & Leaves | Good crown structure; minor dead smaller branches; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, on the beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Indigenous | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Two benches directly below canopy, evidence of recent pruning to scaffold branches.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead and damaged branches. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None

4





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 51 |

| | | | |
|--|---|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 20.02" W 73° 42' 55.86" Time: 4:08 |
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> | |
| Descriptor | Value | Range | |
| Girth | 15" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 25-30' | Approximate Height to top of Canopy | |
| Canopy | N 17' ,S 13' ,E 13' ,W 14' | Canopy Radius in Feet - North South East West | |
| Condition | 4 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Girdling roots; minor damage to exposed roots from landscape maintenance. | | |
| Trunk Condition and Main Scaffold Branches | Trunk and scaffold branches are in good condition. | | |
| Crown/Structure , Branches & Leaves | Good crown and small branch structure; minor dead small branches; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, between sidewalk and beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Evidence of recent pruning to small branches.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead small branches. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

4

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 52 |

| | | | |
|--|--|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 20.19" W 73° 42' 54.81" Time: 4:15 |
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> | |
| Descriptor | Value | Range | |
| Girth | 12.5" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 20-25' | Approximate Height to top of Canopy | |
| Canopy | N 15' ,S 12' ,E 12' ,W 16' | Canopy Radius in Feet - North South East West | |
| Condition | 3 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Buried root collar; basal decay. | | |
| Trunk Condition and Main Scaffold Branches | Major vertical crack on trunk stemming from basal decay; bark defoliation. | | |
| Crown/Structure , Branches & Leaves | Thin crown from recent pruning; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, between sidewalk and beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Evidence of recent major pruning to scaffold and small branches. The condition of the tree appears to be in decline from the basal decay caused by the buried root collar, and the heavy pruning that has occurred to the crown.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

3

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None



| | | | | | | | | | |
|--|--|---|--|---|--|---|--|------------------|-----------|
|  | | 100 Crossways Park Drive West, Ste 104 Woodbury, New York 11797 | | t: 516.364.0660 f: 516.364.0668 | | www.bthayerassociates.com | | Assignment: | Tree No.: |
| | | | | | | | | 1 | 53 |
| Arborist Assessment Report | | | | Location: Manorhaven Beach Park - Port Washington, NY | | | | Date: 12/09/2015 | |
| Inspector: Dan Maher | | | | Weather: Overcast | | Lat/Long: N 40° 50' 20.23" W 73° 42' 54.26" | | Time: 4:20 | |
| Specimen: | | Common Name: ZELKOVA, JAPANESE | | Scientific name: <i>Zelkova serrata</i> | | | | | |
| Descriptor | | Value | | Range | | | | | |
| Girth | | 15" | | Trunk Diameter Measured at Breast Height (DBH) | | | | | |
| Approx. Height | | 20-25' | | Approximate Height to top of Canopy | | | | | |
| Canopy | | N 13' ,S 11' ,E 13' ,W 11' | | Canopy Radius in Feet - North South East West | | | | | |
| Condition | | 3 | | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | | | | | |
| Approx. Age | | E | | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | | | | | |
| Tree/Root Base/Pit | | Buried root collar; girdling roots; minor damage to exposed roots from landscape maintenance. | | | | | | | |
| Trunk Condition and Main Scaffold Branches | | Multiple open wounds on trunk from old pruning cuts that have not completely healed. | | | | | | | |
| Crown/Structure , Branches & Leaves | | Thin crown from recent pruning old scaffold branches; tree was not assessed during full leaf. | | | | | | | |
| Pest / Disease | | No noticeable signs. | | | | | | | |
| Setting | | Inside park, between sidewalk and beach. | | | | | | | |
| Character | | Y | | Does the tree make an important contribution to the character or amenity of the area? | | | | | |
| | | Exotic | | Is the tree indigenous, rare, endangered, invasive or exotic? | | | | | |
| Habitat | | N | | Does the tree represent important habitat for native fauna? | | | | | |
| | | N | | Is the tree part of a wildlife Corridor, Buffer, etc? | | | | | |
| Notes: Evidence of recent major pruning to scaffold and small branches. The condition of the tree appears to be in decline from the heavy pruning that has occurred to the crown. | | | | | | | | | |
| Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing. | | | | | | | | Level of Urgency | |
| | | | | | | | | 3 | |
| Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None | | | | | | | | | |
|  | | | | | | | | | |

| | | | | | | | | | |
|--|--|---|--|--|---|---------------------------|---|------------------|-------------------------|
|  | | 100 Crossways Park Drive West, Ste 104 Woodbury, New York 11797 | | t: 516.364.0660 f: 516.364.0668 | | www.bthayerassociates.com | | Assignment: | Tree No.: |
| | | | | | | | | 1 | 54 |
| Arborist Assessment Report | | | | Location: Manorhaven Beach Park - Port Washington, NY | | | | Date: 12/09/2015 | |
| Inspector: Dan Maher | | | Weather: Overcast | | Lat/Long: N 40° 50' 20.27" W 73° 42' 53.91" | | Time: 4:26 | | |
| Specimen: | | Common Name: ZELKOVA, JAPANESE | | Scientific name: <i>Zelkova serrata</i> | | | | | |
| Descriptor | | Value | | Range | | | | | |
| Girth | | 11" | | <i>Trunk Diameter Measured at Breast Height (DBH)</i> | | | | | |
| Approx. Height | | 15-20' | | <i>Approximate Height to top of Canopy</i> | | | | | |
| Canopy | | N 11' , S 11' , E 11' , W 9' | | <i>Canopy Radius in Feet - North South East West</i> | | | | | |
| Condition | | 2 | | <i>Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent</i> | | | | | |
| Approx. Age | | E | | <i>NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development</i> | | | | | |
| Tree/Root Base/Pit | | Buried root collar; vertical cracking at base; girdling roots; minor damage to exposed roots from landscape maintenance. | | | | | | | |
| Trunk Condition and Main Scaffold Branches | | Major vertical crack on trunk continues into scaffold branch and to an open wound; trunk wounds from old pruning cuts have not completely healed and appear to have canker rot. | | | | | | | |
| Crown/Structure , Branches & Leaves | | Thinning crown from recent pruning; tree was not assessed during full leaf. | | | | | | | |
| Pest / Disease | | No noticeable signs. | | | | | | | |
| Setting | | Inside park, between sidewalk and beach. | | | | | | | |
| Character | | Y | | <i>Does the tree make an important contribution to the character or amenity of the area?</i> | | | | | |
| | | Exotic | | <i>Is the tree indigenous, rare, endangered, invasive or exotic?</i> | | | | | |
| Habitat | | N | | <i>Does the tree represent important habitat for native fauna?</i> | | | | | |
| | | N | | <i>Is the tree part of a wildlife Corridor, Buffer, etc?</i> | | | | | |
| Notes: Evidence of recent major pruning to scaffold and small branches. The condition of the tree appears to be in decline from the basal decay caused by the buried root collar, and the heavy pruning that has occurred to the crown. | | | | | | | | | |
| Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist and If condition continues to decline, consider removal. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing. | | | | | | | | | Level of Urgency |
| | | | | | | | | | 3 |
| Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None | | | | | | | | | |
|  | | |  | | | |  | | |

| | | |
|-----------------------------------|---|------------------|
| Arborist Assessment Report | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
|-----------------------------------|---|------------------|

| | | | |
|----------------------|-------------------|---|------------|
| Inspector: Dan Maher | Weather: Overcast | Lat/Long: N 40° 50' 20.31" W 73° 42' 53.44" | Time: 4:32 |
|----------------------|-------------------|---|------------|

| | | |
|-----------|--------------------------------|---|
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> |
|-----------|--------------------------------|---|

| Descriptor | Value | Range |
|----------------|----------------------------|---|
| Girth | 12" | Trunk Diameter Measured at Breast Height (DBH) |
| Approx. Height | 20-25' | Approximate Height to top of Canopy |
| Canopy | N 16' ,S 15' ,E 15' ,W 14' | Canopy Radius in Feet - North South East West |
| Condition | 4 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development |

| | | |
|--|---|--|
| Tree/Root Base/Pit | Buried root collar. | |
| Trunk Condition and Main Scaffold Branches | Good trunk and scaffold branch structure; minor damage to scaffold branch. | |
| Crown/Structure , Branches & Leaves | Full crown and good small branch structure; tree was not assessed during full leaf. | |
| Pest / Disease | No noticeable signs. | |
| Setting | Inside park, between sidewalk and beach. | |

| | | |
|-----------|--------|---|
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? |
| Habitat | N | Does the tree represent important habitat for native fauna? |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? |

Notes: One scaffold branch has an open cavity from an old pruning cut near the trunk union.

| | |
|--|---|
| <p>Recommendations: It is recommended to implement a program that continues to monitor this tree and the open cavity for canker rot by an ISA Arborist. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.</p> | <div style="border: 1px solid black; padding: 5px; font-weight: bold;">Level of Urgency</div> |
|--|---|

| | |
|--|---|
| Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None | 4 |
|--|---|



| | | | | | | | | | |
|---|--|--|--|---|--|---|--|------------------|-----------|
|  | | 100 Crossways Park Drive West, Ste 104 Woodbury, New York 11797 | | t: 516.364.0660 f: 516.364.0668 | | www.bthayerassociates.com | | Assignment: | Tree No.: |
| | | | | | | | | 1 | 56 |
| Arborist Assessment Report | | | | Location: Manorhaven Beach Park - Port Washington, NY | | | | Date: 12/09/2015 | |
| Inspector: Dan Maher | | | | Weather: Overcast | | Lat/Long: N 40° 50' 20.37" W 73° 42' 52.92" | | Time: 4:38 | |
| Specimen: | | Common Name: ZELKOVA, JAPANESE | | Scientific name: <i>Zelkova serrata</i> | | | | | |
| Descriptor | | Value | | Range | | | | | |
| Girth | | 20" | | Trunk Diameter Measured at Breast Height (DBH) | | | | | |
| Approx. Height | | 20-25' | | Approximate Height to top of Canopy | | | | | |
| Canopy | | N 17' ,S 16' ,E 14' ,W 14' | | Canopy Radius in Feet - North South East West | | | | | |
| Condition | | 4 | | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | | | | | |
| Approx. Age | | E | | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | | | | | |
| Tree/Root Base/Pit | | Buried root collar; minor girdling roots. | | | | | | | |
| Trunk Condition and Main Scaffold Branches | | Minor damage to scaffold branches; dead scaffold branches; minor bark defoliation around scaffold branch unions. | | | | | | | |
| Crown/Structure , Branches & Leaves | | Good crown and small branch structure; minor dead small branches; tree was not assessed during full leaf. | | | | | | | |
| Pest / Disease | | No noticeable signs. | | | | | | | |
| Setting | | Inside park, between sidewalk and beach. | | | | | | | |
| Character | | Y | | Does the tree make an important contribution to the character or amenity of the area? | | | | | |
| | | Exotic | | Is the tree indigenous, rare, endangered, invasive or exotic? | | | | | |
| Habitat | | N | | Does the tree represent important habitat for native fauna? | | | | | |
| | | N | | Is the tree part of a wildlife Corridor, Buffer, etc? | | | | | |
| Notes: Evidence of recent pruning to scaffold branches. | | | | | | | | | |
| Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead and damaged branches. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing. | | | | | | | | Level of Urgency | |
| | | | | | | | | 3 | |
| Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None | | | | | | | | | |
|  | | | | |  | | | | |



100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 57 |

| | | | |
|--|--|---|---|
| Arborist Assessment Report | | Location: Manohaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 20.41" W 73° 42' 52.5" Time: 4:43 |
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> | |
| Descriptor | Value | Range | |
| Girth | 13" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 20-25' | Approximate Height to top of Canopy | |
| Canopy | N 20' ,S 17' ,E 13' ,W 16' | Canopy Radius in Feet - North South East West | |
| Condition | 4 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Buried root collar. | | |
| Trunk Condition and Main Scaffold Branches | Trunk and scaffold branches are in good condition; open cavity on trunk from old pruning cut not fully healed. | | |
| Crown/Structure , Branches & Leaves | Minor dead small branches; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, between sidewalk and beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Evidence of recent minor pruning.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

4

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None



| | | |
|-----------------------------------|---|------------------|
| Arborist Assessment Report | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
|-----------------------------------|---|------------------|

| | | | |
|----------------------|-------------------|---|------------|
| Inspector: Dan Maher | Weather: Overcast | Lat/Long: N 40° 50' 20.45" W 73° 42' 52.16" | Time: 4:50 |
|----------------------|-------------------|---|------------|

| | | |
|-----------|--------------------------------|---|
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> |
|-----------|--------------------------------|---|

| Descriptor | Value | Range |
|----------------|----------------------------|---|
| Girth | 14" | Trunk Diameter Measured at Breast Height (DBH) |
| Approx. Height | 20-25' | Approximate Height to top of Canopy |
| Canopy | N 20' ,S 11' ,E 16' ,W 14' | Canopy Radius in Feet - North South East West |
| Condition | 3 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development |

| | |
|--|--|
| Tree/Root Base/Pit | Buried root collar; minor girdling roots. |
| Trunk Condition and Main Scaffold Branches | Codominant leaders; one scaffold branch appears to be declining and has discoloration and defoliation of bark; trunk cavity from old pruning cut that has not completely healed. |
| Crown/Structure , Branches & Leaves | Good crown structure; minor dead small branches; tree was not assessed during full leaf. |
| Pest / Disease | No noticeable signs. |
| Setting | Inside park, between sidewalk and beach. |

| | | |
|-----------|--------|---|
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? |
| Habitat | N | Does the tree represent important habitat for native fauna? |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? |

Notes: One of the main scaffold branches appear to be declining and should be monitored.

| | |
|--|---|
| <p>Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead small branches. It is recommended to perform root crown excavation by a qualified tree care professional, which is a treatment that involves the removal of excess soil from a trees root flare and main lateral roots. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.</p> | <div style="background-color: #f4a460; padding: 5px; font-weight: bold;">Level of Urgency</div> <div style="border: 1px solid black; height: 60px; width: 100%;"></div> |
|--|---|

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None

4



| | | |
|-----------------------------------|---|------------------|
| Arborist Assessment Report | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
|-----------------------------------|---|------------------|

| | | | |
|----------------------|-------------------|---|------------|
| Inspector: Dan Maher | Weather: Overcast | Lat/Long: N 40° 50' 20.54" W 73° 42' 51.42" | Time: 4:56 |
|----------------------|-------------------|---|------------|

| | | |
|-----------|--------------------------------|---|
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> |
|-----------|--------------------------------|---|

| Descriptor | Value | Range |
|----------------|----------------------------|---|
| Girth | 18" | Trunk Diameter Measured at Breast Height (DBH) |
| Approx. Height | 30-35' | Approximate Height to top of Canopy |
| Canopy | N 15' ,S 14' ,E 13' ,W 12' | Canopy Radius in Feet - North South East West |
| Condition | 2 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development |

| | |
|--|---|
| Tree/Root Base/Pit | Major basal decay that wraps around most of the trunk. |
| Trunk Condition and Main Scaffold Branches | Major damage on trunk stemming from the basal decay; old pruning cuts to remove scaffold branches have not completely healed and show cavity rot; included bark on scaffold unions. |
| Crown/Structure , Branches & Leaves | Dead branches and evidence of recent pruning has thinned crown structure; tree was not assessed during full leaf. |
| Pest / Disease | No noticeable signs. |
| Setting | Inside park, between sidewalk and beach. |

| | | |
|-----------|--------|---|
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? |
| Habitat | N | Does the tree represent important habitat for native fauna? |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? |

Notes: Crown and scaffold branches appear to be in moderate to good condition, however the major basal decay is rotting the trunk and could be a hazard.

Recommendations: Remove tree due to evidence of continuous decline. For tree replacement it is recommended to use Zelkova serrata 'Green Vase'. Replacements should be planted immediately following removals and it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.

| |
|------------------|
| Level of Urgency |
| 2 |

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 60 |

| | | | |
|--|--|---|--|
| Arborist Assessment Report | | Location: Manorhaven Beach Park - Port Washington, NY | Date: 12/09/2015 |
| Inspector: Dan Maher | | Weather: Overcast | Lat/Long: N 40° 50' 20.59" W 73° 42' 51.07" Time: 5:00 |
| Specimen: | Common Name: ZELKOVA, JAPANESE | Scientific name: <i>Zelkova serrata</i> | |
| Descriptor | Value | Range | |
| Girth | 22" | Trunk Diameter Measured at Breast Height (DBH) | |
| Approx. Height | 30-35' | Approximate Height to top of Canopy | |
| Canopy | N 22' ,S 10' ,E 19' ,W 16' | Canopy Radius in Feet - North South East West | |
| Condition | 3 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent | |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development | |
| Tree/Root Base/Pit | Girdling roots; damage to exposed roots from landscape maintenance. | | |
| Trunk Condition and Main Scaffold Branches | Minor vertical cracking on scaffold branch; included bark at scaffold branch unions. | | |
| Crown/Structure , Branches & Leaves | Minor dead and broken branches; tree was not assessed during full leaf. | | |
| Pest / Disease | No noticeable signs. | | |
| Setting | Inside park, between sidewalk and beach. | | |
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? | |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? | |
| Habitat | N | Does the tree represent important habitat for native fauna? | |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? | |

Notes: Evidence of recent pruning and removal of small branches.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. For recommended treatment, proper corrective pruning that follows ANSI A300 standards should be performed to remove dead and damaged branches. Vertical mulching is recommended for mitigation, it is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. This is recommended to add soil around the base and of the tree as it has eroded away from a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.

Level of Urgency

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None

4





100 Crossways Park Drive West, Ste 104
Woodbury, New York 11797

t: 516.364.0660
f: 516.364.0668

www.bthayerassociates.com

| | |
|-------------|-----------|
| Assignment: | Tree No.: |
| 1 | 61 |

Arborist Assessment Report Location: Manorhaven Beach Park - Port Washington, NY Date: 12/09/2015

Inspector: Dan Maher Weather: Overcast Lat/Long: N 40° 50' 20.7" W 73° 42' 49.95" Time: 5:06

Specimen: Common Name: ZELKOVA, JAPANESE Scientific name: *Zelkova serrata*

| Descriptor | Value | Range |
|----------------|----------------------------|---|
| Girth | 17" | Trunk Diameter Measured at Breast Height (DBH) |
| Approx. Height | 30-35' | Approximate Height to top of Canopy |
| Canopy | N 25' ,S 15' ,E 18' ,W 20' | Canopy Radius in Feet - North South East West |
| Condition | 4 | Health of Specimen - 1 Dead - 2 Declining - 3 Moderate - 4 Good - 5 Excellent |
| Approx. Age | E | NP=Newly Planted Within 5yrs M=Moderate 10-20 yrs old E=Existing before development |

| | |
|--|---|
| Tree/Root Base/Pit | Damage to exposed roots from landscape maintenance. |
| Trunk Condition and Main Scaffold Branches | Trunk and scaffold branches are in good condition. |
| Crown/Structure , Branches & Leaves | Full crown and good small branch structure; tree was not assessed during full leaf. |
| Pest / Disease | No noticeable signs. |
| Setting | Inside park, between sidewalk and beach. |

| | | |
|-----------|--------|---|
| Character | Y | Does the tree make an important contribution to the character or amenity of the area? |
| | Exotic | Is the tree indigenous, rare, endangered, invasive or exotic? |
| Habitat | N | Does the tree represent important habitat for native fauna? |
| | N | Is the tree part of a wildlife Corridor, Buffer, etc? |

Notes: Construction limit fencing for construction of boat ramp is within 1' of the trunk.

Recommendations: It is recommended to implement a program that continues to monitor this tree by an ISA Arborist. Vertical mulching is recommended for mitigation, this is a technique that benefits stressed trees by improving the movement of water, air, and nutrients in the root zone and should be performed by a qualified tree care professional. Additionally, it is recommended to form a mulch collar around the base of the tree that will prevent any future damage caused by landscape maintenance and provide additional benefits to the tree. The Town should implement a comprehensive program of tree management including soil testing.

| |
|------------------|
| Level of Urgency |
| 4 |

Urgency Level: 1 - Requires Immediate Attention 2 - Within (1) Month 3 - Within (6) Months 4 - Within the year 5 - None

