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ARBORIST REPORT

Manorhaven Beach Park

Super Storm Sandy

Tree Damage Assessment

Prepared by: Todd Gildersleeve (Staff Arborist)



Date: 7/26/2015

Subject: Arborist report; Super Storm Sandy Tree Damage Assessment, Manorhaven beach Park, Port Washington, Nassau County, NY

Prepared by: Todd Gildersleeve, Arborist – COLGAN Tree and Landscape Service, INC

Prepared for: Thomas P McDonough | Town of North Hempstead

Per: Site Walk

- The following information is based upon on-site review and site walk. If plans change as it relates to tree work then site should be re-assessed by an arborist to maintain the integrity of report.
- See associated photos with tree mark-ups and tables for further location information

Project:

To tally trees by species, diameter, height, GPS location and photos for FEMA salt water damage arborist report.

Trees:

On or about October 29, 2012 storm surge from Super Storm Sandy flooded the park with standing polluted water consisting primarily of brackish water. It covered the trunks of the trees causing various degrees of desiccation (salt water damage). Thirty one trees located around the park from the pool area to the picnic area where affected. The prescription is to identify trees to be removed due to salt damage, and enumerate them for FEMA.

Conclusion:

Based on the severity of Super Storm Sandy, the water level from Super Storm Sandy and the condition of the trees assessed to be removed (designated by R for removal in table) at the Manorhaven Beach Park it is determined they were damaged or desiccated by the absorption of sea sprayed salt, salt water uptake, and sewage water all at the same time. These factors hinder photosynthesis and

growth, and limit the availability of mineral nutrients necessary for these trees to live. Trees have already died and the trees designated for removal sustained irreversible damage due to the effects of the above mentioned contaminants.

Todd Gildersleeve

ISA certified arborist

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TOTAL REMOVALS	
TREE	17

TOTAL MONITOR	
TREE	14

LOCATION OVERVIEW MANORHAVEN BEACH PARK



Table 1-TREE LIST BY POOL & TENNIS COURT PATH (R=REMOVAL, M=MONITOR)

ID	NOTES	LOCATION	SPECIES	DIA	HT	RX
1	Manorhaven Beach Park	Lat 40°50'22.02"N Long 73°42'55.28"W	Platanus occidentalis	27	41	R
2	Manorhaven Beach Park	Lat 40°50'22.16"N Long 73°42'55.42"W	Platanus occidentalis	24	43	M
3	Manorhaven Beach Park	Lat 40°50'22.39"N Long 73°42'55.47"W	Platanus occidentalis	26	44	M
4	Manorhaven Beach Park	Lat 40°50'22.66"N Long 73°42'55.55"W	Platanus occidentalis	27	41	M
5	Manorhaven Beach Park	Lat 40°50'22.95"N Long 73°42'55.60"W	Platanus occidentalis	27	42	M
6	Manorhaven Beach Park	Lat 40°50'23.26"N Long 73°42'55.76"W	Platanus occidentalis	25	41	R
7	Manorhaven Beach Park	Lat 40°50'24.32"N Long 73°42'56.14"W	Platanus occidentalis	23	40	M
8	Manorhaven Beach Park	Lat 40°50'24.52"N Long 73°42'56.15"W	Platanus occidentalis	27	40	M
9	Manorhaven Beach Park	Lat 40°50'24.84"N Long 73°42'56.17"W	Platanus occidentalis	33	42	R
10	Manorhaven Beach Park	Lat 40°50'24.80"N Long 73°42'56.73"W	Platanus occidentalis	35	41	M
11	Manorhaven Beach Park	Lat 40°50'24.55"N Long 73°42'56.65"W	Platanus occidentalis	33	42	M
12	Manorhaven Beach Park	Lat 40°50'24.29"N Long 73°42'56.61"W	Platanus occidentalis	25	41	R
13	Manorhaven Beach Park	Lat 40°50'23.81"N Long 73°42'56.49"W	Platanus occidentalis	35	42	R

14	Manorhaven Beach Park	Lat 40°50'23.46"N Long 73°42'56.31"W	Platanus occidentalis	32	42	R
15	Manorhaven Beach Park	Lat 40°50'22.99"N Long 73°42'56.20"W	Platanus	29	40	R
16	Manorhaven Beach Park	Lat 40°50'22.64"N Long 73°42'56.11"W	Platanus occidentalis	26	41	R
17	Manorhaven Beach Park	Lat 40°50'22.21"N Long 73°42'55.92"W	Platanus occidentalis	28	42	M
18	Manorhaven Beach Park	Lat 40°50'22.12"N Long 73°42'56.01"W	Platanus occidentalis	28	41	R
19	Manorhaven Beach Park	Lat 40°50'21.77"N Long 73°42'55.81"W	Platanus occidentalis	29	42	R

PHOTO 1 –POOL AND TENNIS COURT PATH



PHOTO 2 – TREES 1 THROUGH 4



PHOTO 3 – TREE # 5 ALONG WALKWAY

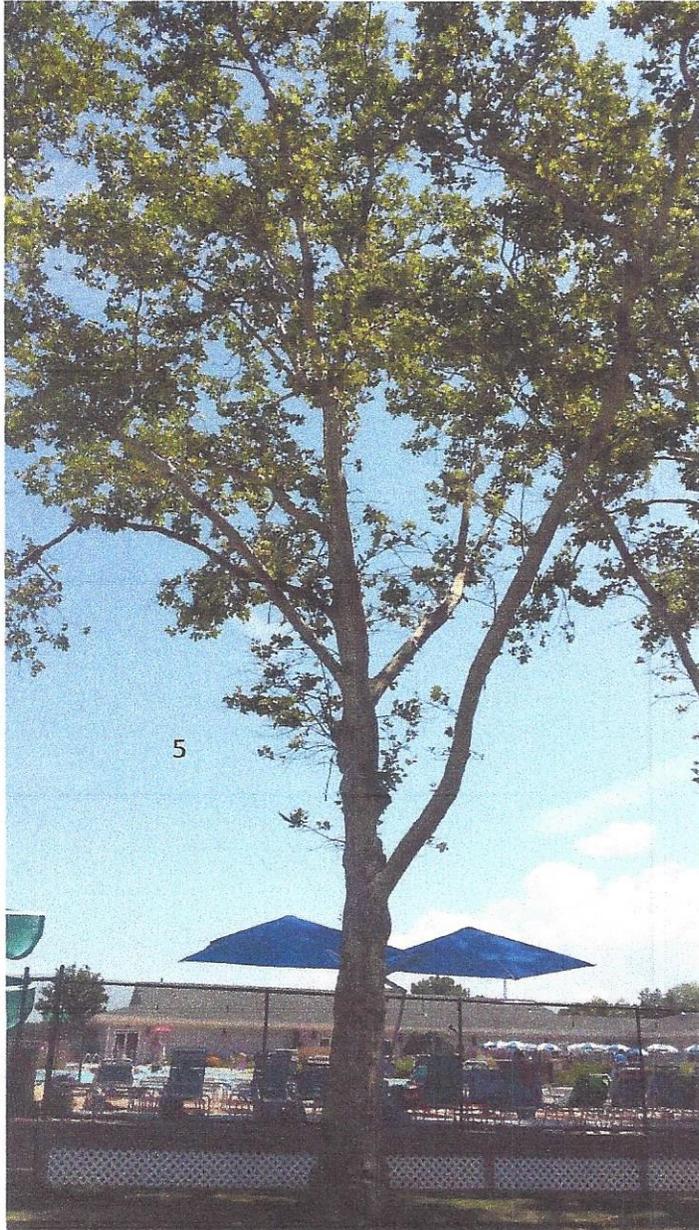


PHOTO 4 – TREES # 6 NEXT TO WATER SLIDE

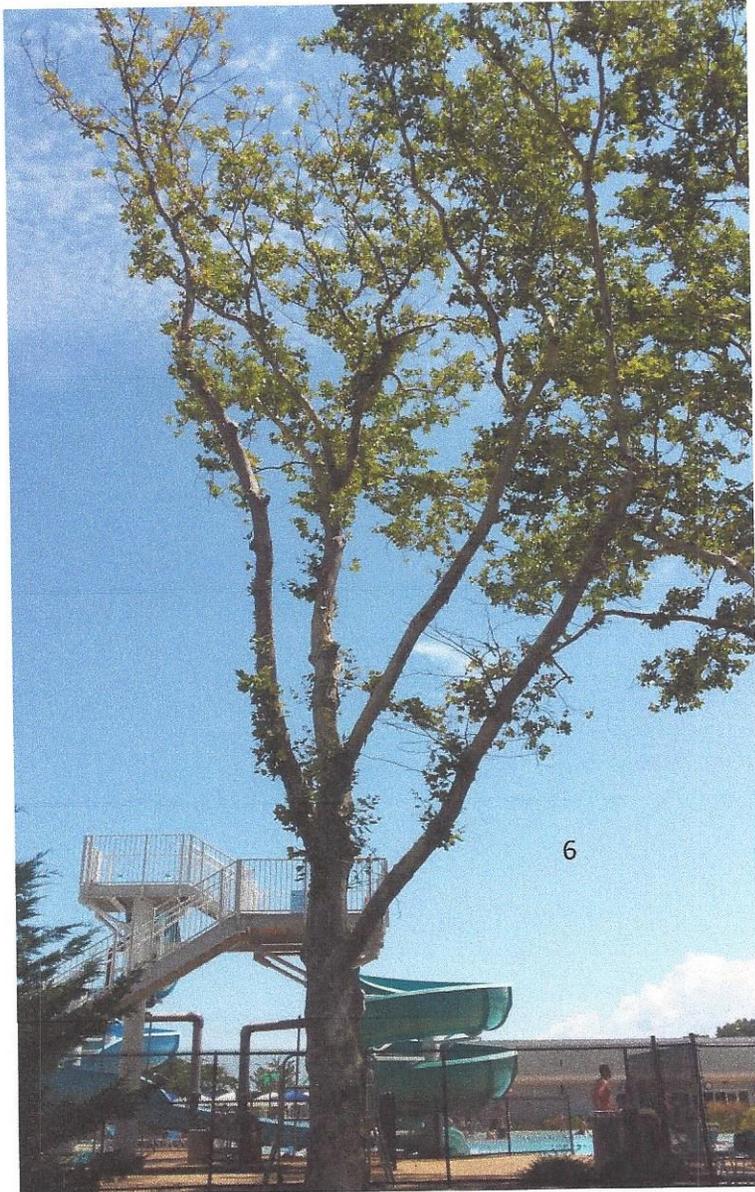


PHOTO 5 - TREE 7 THROUGH 9 BY TENNIS COURT

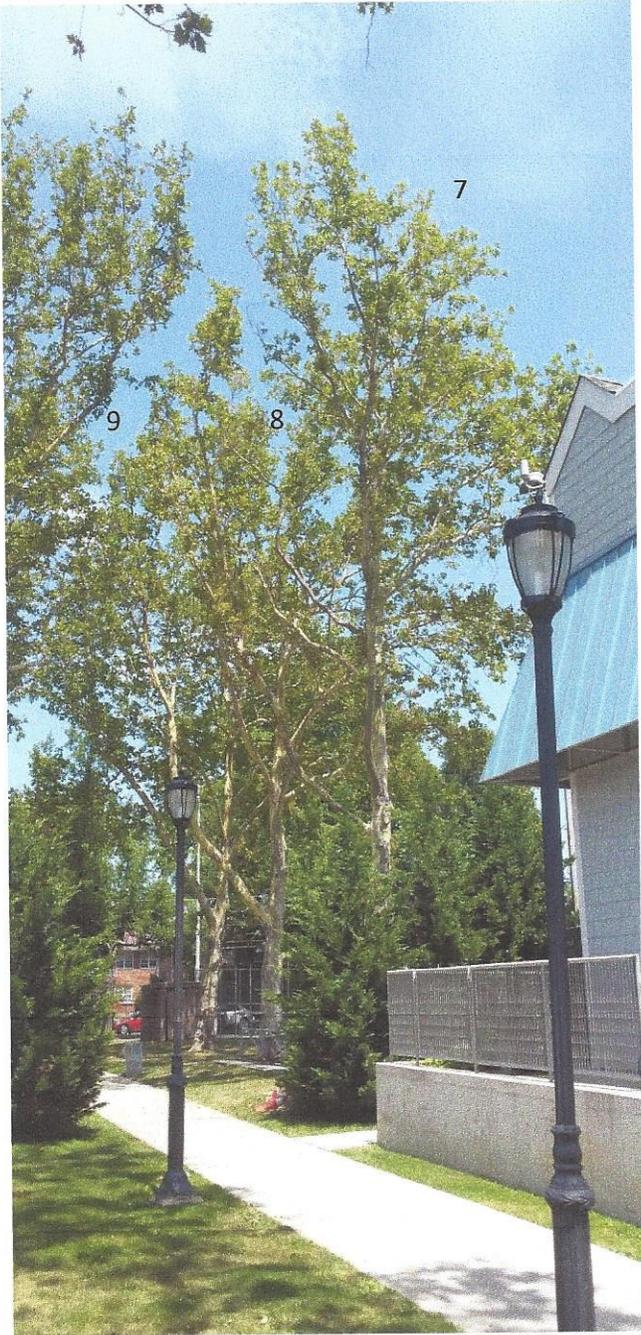


PHOTO 6 - TREE 10 THROUGH 12



PHOTO 7 - TREE 12 & 13

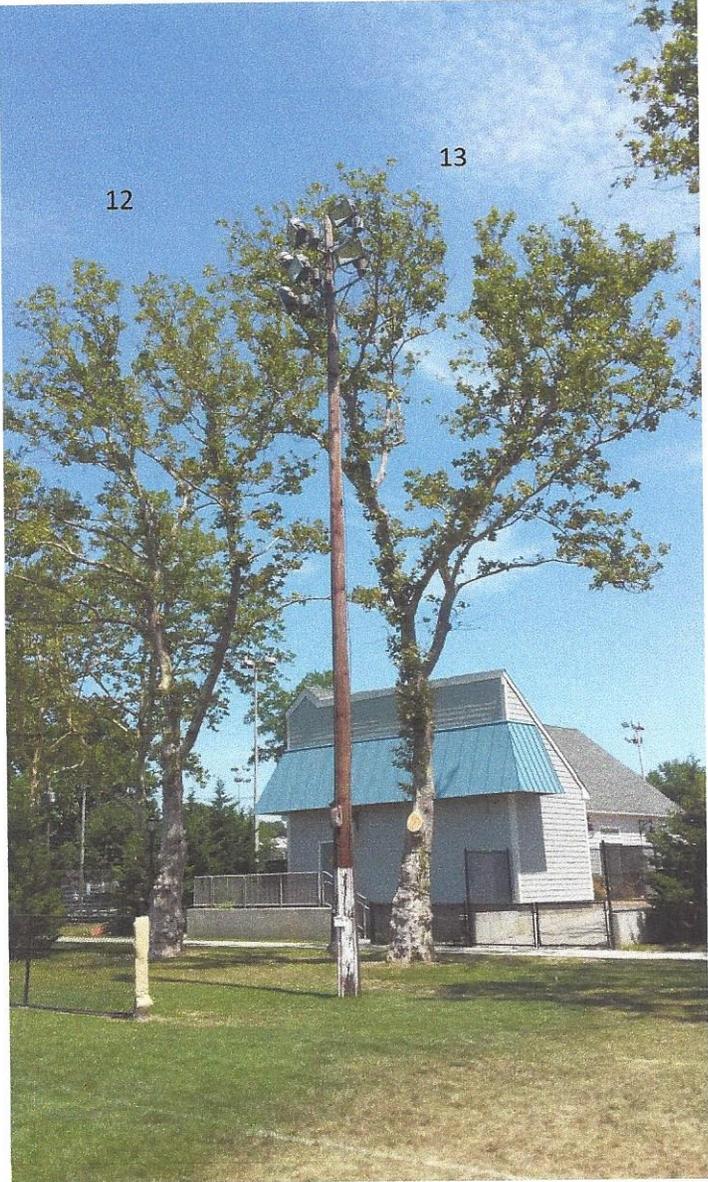


PHOTO 8 - TREES 14 & 15



PHOTO 9 -TREE 16



PHOTO 10 - TREE 17 THROUGH 19



Table 2 -TREE LIST BY BASKET BALL COURT & PICNIC AREA (R=REMOVAL, M=MONITOR)

ID	NOTES	LOCATION	SPECIES	DIA	HT	RX
20	Manorhaven Beach Park	Lat 40°50'21.75"N Long 73°42'56.76"W	Psuedotsuga menziesii	12	29	R
21	Manorhaven Beach Park	Lat 40°50'21.60"N Long 73°42'57.57"W	Psuedotsuga menziesii	13	28	R
22	Manorhaven Beach Park	Lat 40°50'22.39"N Long 40°50'21.60"N	Psuedotsuga menziesii	15	29	M
23	Manorhaven Beach Park	Lat 40°50'21.30"N Long 73°42'59.78"W	Platanus occidentalis	24	39	M
24	Manorhaven Beach Park	Lat 40°50'21.68"N Long 73°42'59.67"W	Platanus occidentalis	19	39	M
25	Manorhaven Beach Park	Lat 40°50'22.48"N Long 73°43'0.79"W	Platanus occidentalis	23	40	R
26	Manorhaven Beach Park	Lat 40°50'22.69"N Long 73°43'1.27"W	Platanus occidentalis	27	40	R
27	Manorhaven Beach Park	Lat 40°50'22.78"N Long 73°43'1.73"W	Platanus occidentalis	24	40	R
28	Manorhaven Beach Park	Lat 40°50'23.15"N Long 73°43'2.75"W	Platanus occidentalis	23	42	M
29	Manorhaven Beach Park	Lat 40°50'23.52"N Long 73°43'3.50"W	Platanus occidentalis	23	39	M
30	Manorhaven Beach Park	Lat 40°50'24.73"N Long 73°43'2.09"W	Picea pungens	13	35	R
31	Manorhaven Beach Park	Lat 40°50'24.29"N Long 73°42'59.11"W	Picea pungens	11	37	R

PHOTO 10 – TREE 20 NEXT TO BASKET BALL COURT



PHOTO 11 – TREE 21 NEXT TO BASKET BALL COURT

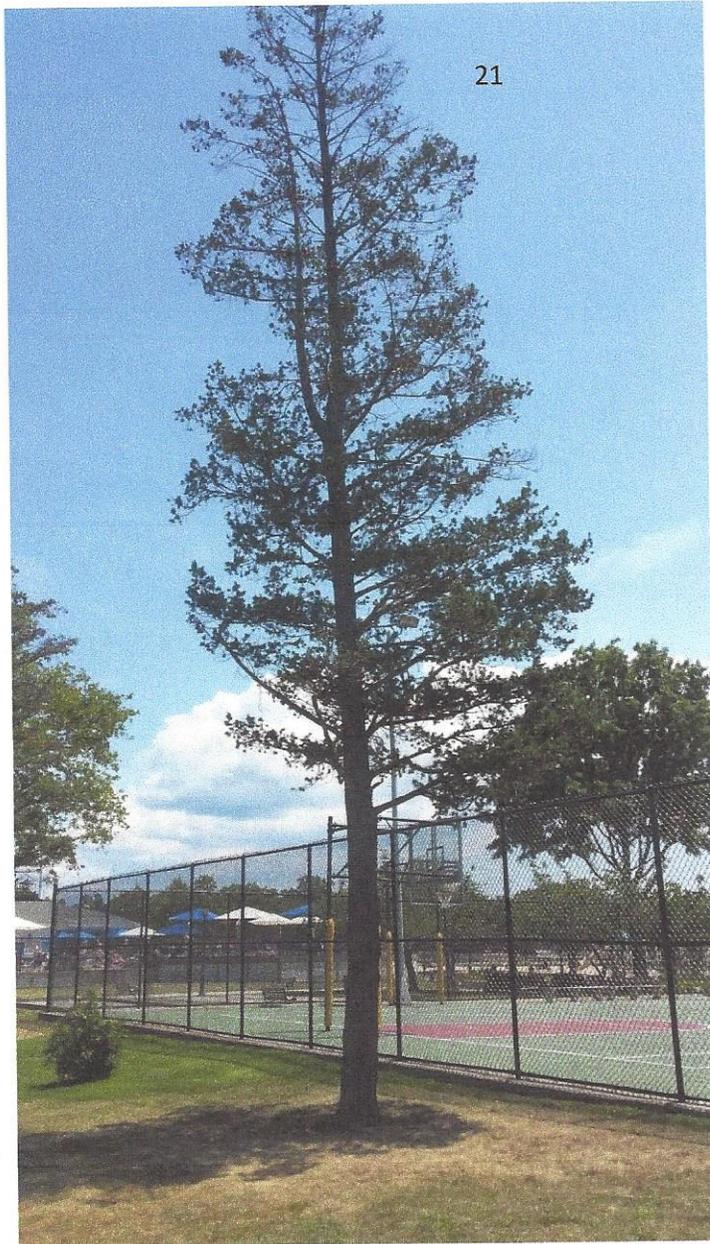


PHOTO 12 – TREE 22 WEST SIDE OF BASKET BALL COURT



PHOTO 13 – TREE 23 SOUTH WEST SIDE OF PARK NEXT TO PICNIC AREA

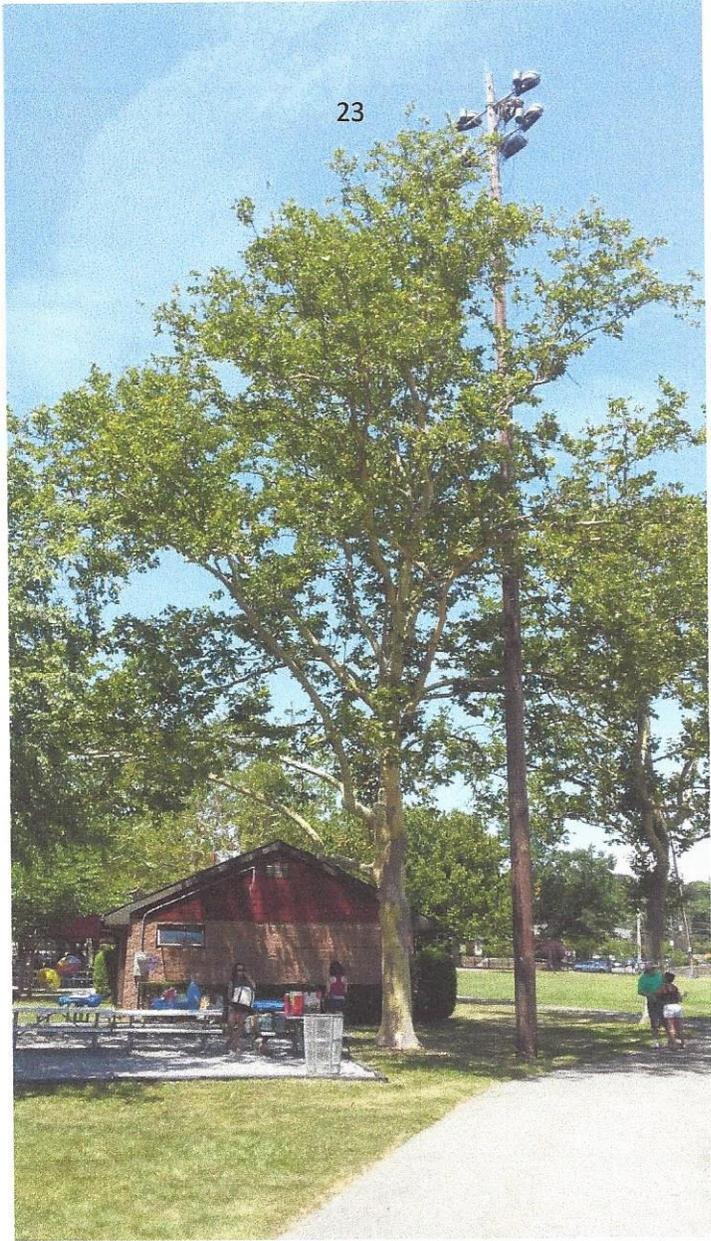


PHOTO 14 – TREE 24 SOUTH WEST SIDE OF PARK NEXT TO PICNIC AREA



PHOTO 15 – TREE 25 & 26 WEST SIDE OF PARK NEXT TO PICNIC AREA

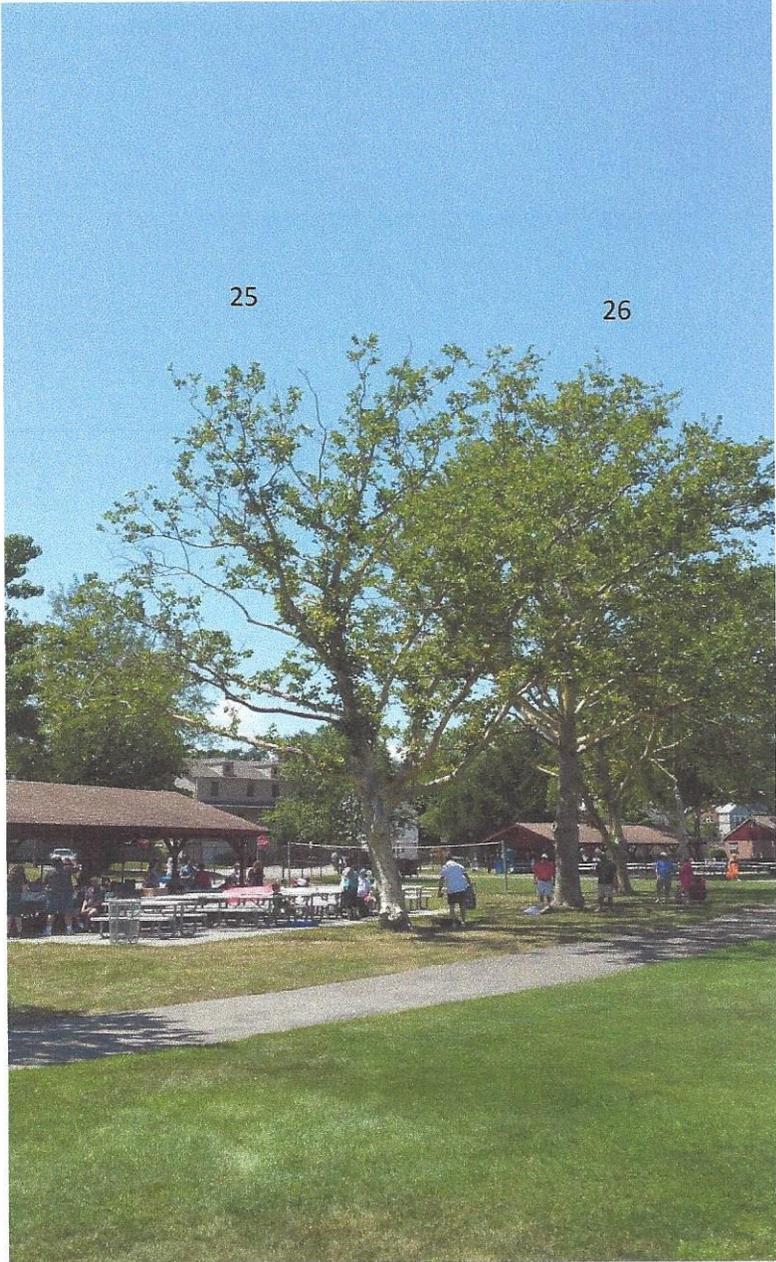


PHOTO 16 – TREE 27 NEXT TO PICNIC AREA

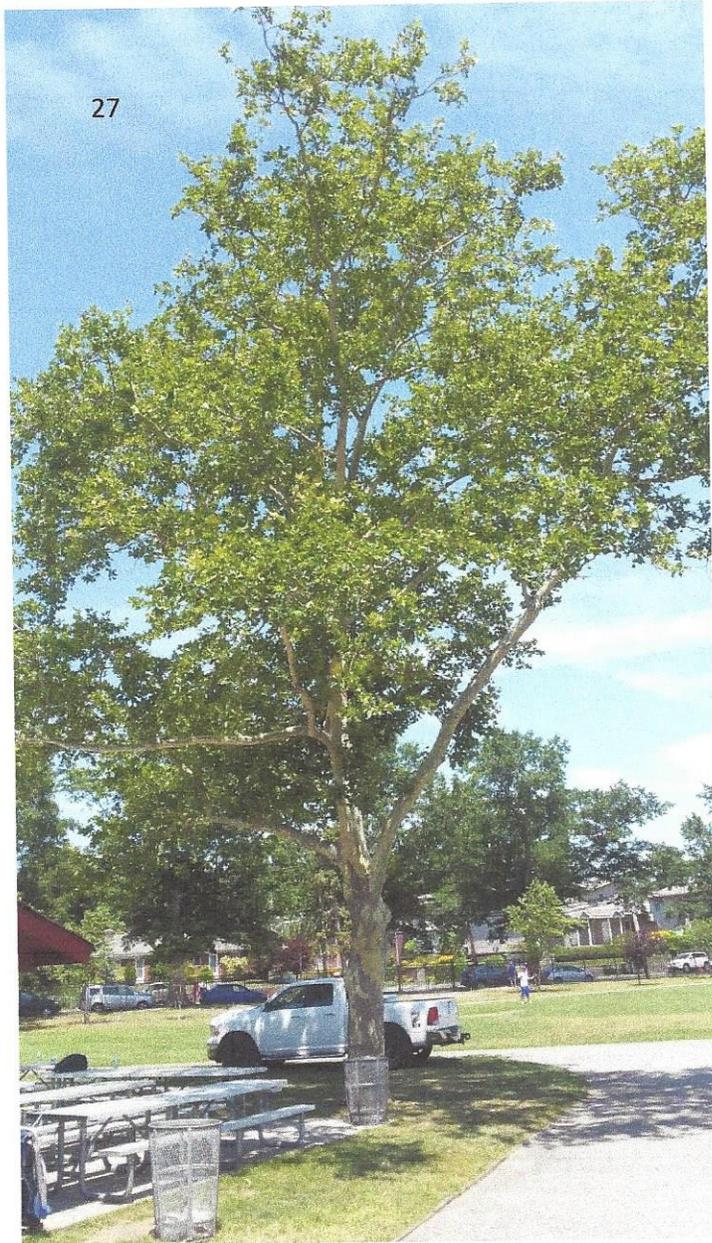


PHOTO 17 – TREE 28 NEXT TO PICNIC AREA BY WEST GATE

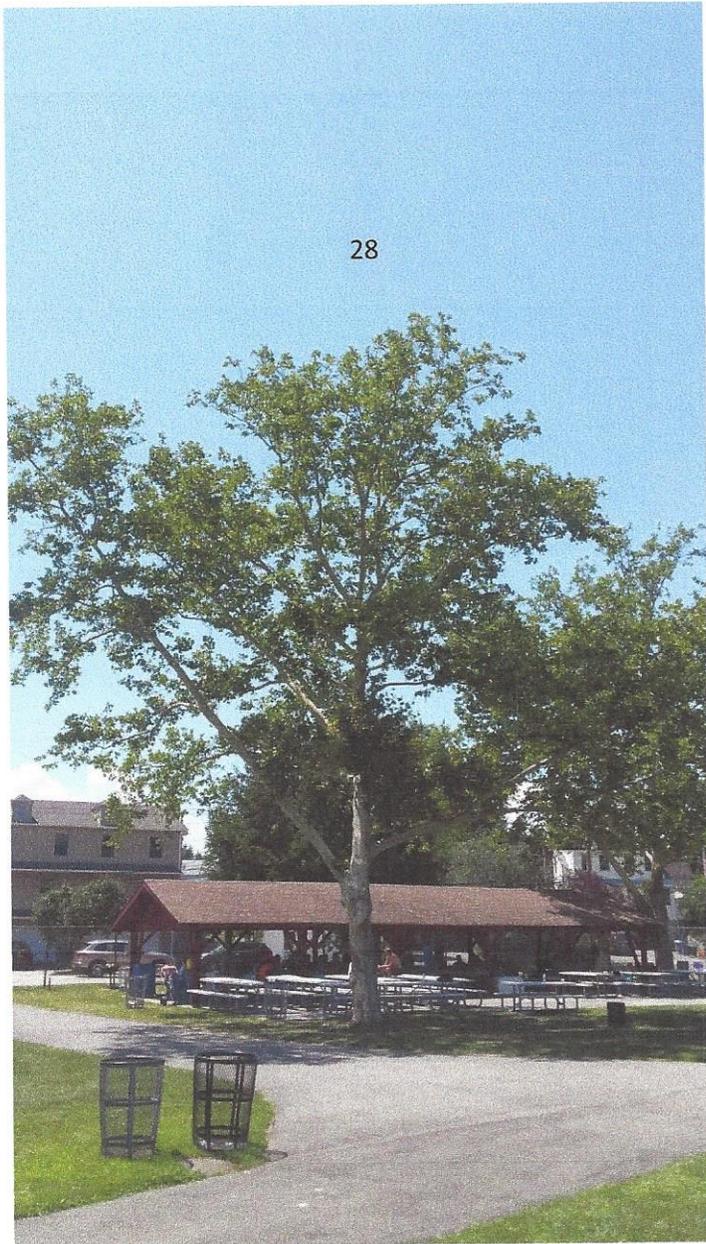


PHOTO 18 – TREE 29 NEXT TO PICNIC AREA



PHOTO 19 – TREE 30 NORTH SIDE OF PARK



PHOTO 20 – TREE 31 NORTH SIDE OF PARK

