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**MEMORANDUM**

**TO:** Sharon McCullough

**DATE:** December 3, 2021  
REVISED January 14, 2022

**FROM:** Douglas Johnson, RVE

**CC:** Matt McSorley, RVE

**SUBJECT: 2022 Road Program Tree Evaluation**

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Ms. McCullough,

RVE recently completed a walkthrough, with the Borough Shade Tree Commission, of the roadways proposed to be reconstruction as part of the 2022 Road Program. Based upon our field walkthrough there were several trees which needed to be removed due to poor health and trees which could potential be removed due to potential road construction conflicts.

Since our walkthrough with the Shade Tree Commission, our office performed an additional investigation to determine if the proposed road construction will affect the existing trees.

The following is a breakdown of trees, observations and recommendations:

| <u>LOCATION</u>          | <u>OBSERVATIONS</u>   | <u>RECOMMENDATION</u>                       |
|--------------------------|---|---|
| #41 S. Haddon Avenue     | 18" Linden tree in good condition with roots in the street and overhead wire conflict     | Tree to be removed due to road construction |
| #20 Colonial Ridge Drive | 24" Sweet Gum in good condition with 3" curb heave  | Tree root protection plate to be installed  |
| #10 Colonial Ridge Drive | 45" Willow Oak in OK condition with roots overhanging the curb                            | Tree to be removed due to road construction |
| #9 Colonial Ridge Drive  | Dead Ash tree to be removed   | Tree to be removed                          |
| #24 Colonial Ridge Drive | 30" tree slightly pushing curb out  | Tree root protection plate to be installed  |
| #35 Colonial Ridge Drive | Dead Red Oak tree to be removed   | Tree to be removed                          |
| #311 Evans Avenue        | 31" Oak tree in good condition with roots overhanging the curb and the curb pushed out 1" | Tree root protection plate to be installed  |

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| #315 Evans Avenue             | 20" tree pushing curb out   | Tree root protection plate to be installed  |
| #249 Mountwell Avenue         | 26" Sugar Maple tree in OK condition will be in the way if the apron needs to be redone | Tree to be removed due to road construction |
| #249 Mountwell Avenue         | 31" London Plane tree in good condition is pushing up the curb 1"                       | Tree root protection plate to be installed  |
| #249 Mountwell Avenue         | 29" Sugar Maple tree in good condition is pushing out the curb 1"                       | Tree root protection plate to be installed  |
| #250 Mountwell Avenue         | Remaining stump should be ground  | Stump to be removed                         |
| #250 Mountwell Avenue         | 36" tree shallow root system pushing curb outwards                                      | Tree root protection plate to be installed  |
| #245 Mountwell Avenue         | 36" tree shallow root system pushing curb outwards                                      | Tree root protection plate to be installed  |
| #244 Mountwell Avenue         | 24" tree shallow root system expected to push curb outwards                             | Tree root protection plate to be installed  |
| #244 Mountwell Avenue         | 24" tree shallow root system expected to push curb outwards                             | Tree root protection plate to be installed  |
| #247 Jefferson Avenue         | 30" tree shallow root system expected to interfere with curb replacement                | Tree root protection plate to be installed  |
| Lansdowne Avenue - open space | 18" Sugar Maple tree in good condition with roots pushing the curb out 1"               | Tree to remain                              |
| #336 Euclid Avenue            | 23" Red Oak tree in good condition is leaning towards the street                        | Tree root protection plate to be installed  |
| #336 Euclid Avenue            | 24" tree shallow root system expected to interfere with curb replacement                | Tree root protection plate to be installed  |
| #336 Euclid Avenue            | 20" tree shallow root system expected to interfere with curb replacement                | Tree root protection plate to be installed  |
| #24 Lansdowne Avenue          | 30" Zelkova tree in good condition with roots overhanging the curb into the street      | Tree to be removed due to road construction |
| #259 Kings Highway West       | 23" Red Oak tree in good condition pushing the curb out 1"                              | Tree root protection plate to be installed  |
| #255 Kings Highway West       | 35" Red Oak in poor condition with roots overhanging the curb                           | Tree to be removed due to health            |

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| #311 Peyton Avenue       | 20" Sugar Maple in OK condition with roots overhanging the curb 1"                       | Tree root protection plate to be installed  |
| #315 Peyton Avenue       | 18" tree expected to interfere with curb construction                                    | Tree root protection plate to be installed  |
| #325 Peyton Avenue       | 17" Sugar Maple in good condition with roots overhanging the curb                        | Tree root protection plate to be installed  |
| #405 Peyton Avenue       | 24" tree expected to interfere with curb construction                                    | Tree root protection plate to be installed  |
| #409 Peyton Avenue       | 17" Linden in good condition with roots near curb; could be candidate for a plate        | Tree root protection plate to be installed  |
| #500 Woodland Avenue     | 17" Red Maple in good condition with roots overhanging the curb                          | Tree root protection plate to be installed  |
| #312 Peyton Avenue       | 18" Linden tree in good condition has roots overhanging the curb 1"                      | Tree root protection plate to be installed  |
| #312 Peyton Avenue       | 24" tree expected to interfere with curb construction                                    | Tree root protection plate to be installed  |
| #306 Peyton Avenue       | 22" Sugar Maple is damaged and has roots overhanging the curb                            | Tree to be removed due to health            |
| #306 Peyton Avenue       | 22" Sugar Maple in poor condition with roots over curb 1"                                | Tree to be removed due to health            |
| #501 Mount Vernon Avenue | 19" Red Maple in good condition with roots over curb; curb could be left in place        | Tree to remain                              |
| #300 Mount Vernon Avenue | 24" Sugar Maple in good condition with roots overhanging curb over 1"                    | Tree to remain                              |
| #212 Estaugh Avenue      | 25" tree pushing curb out  | Tree root protection plate to be installed  |
| #301 Redman Avenue       | 33" Red Oak in OK condition with roots overhanging curb                                  | Tree root protection plate to be installed  |
| #54 Linden Avenue        | 27" Zelkova in OK condition with roots overhanging the curb; curb could be left in place | Tree root protection plate to be installed  |
| #54 Linden Avenue        | 36" tree expected to interfere with curb construction                                    | Tree to be removed due to road construction |
| #44 Linden Avenue        | 29" Red Oak in poor condition with curb pushed out 1/2"                                  | Tree to be removed due to poor health.      |

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| #44 Linden Avenue      | 33" Red Oak in OK condition with roots overhanging curb; possible apron conflict; revisit after contract awarded | Tree to be removed due to road construction. |
| #40 Linden Avenue      | 24" tree expected to interfere with curb construction  | Tree root protection plate to be installed   |
| #40 Linden Avenue      | 15" tree expected to interfere with curb construction  | Tree root protection plate to be installed   |
| #36 Linden Avenue      | 48" tree expected to interfere with curb construction  | Tree root protection plate to be installed   |
| #32 Linden Avenue      | 31" Silver Maple in OK condition with curb pushed out 1", possible candidate for plate                           | Tree root protection plate to be installed   |
| #32 Linden Avenue      | 21" Honey locust in good condition with curb pushed out 1/2" and apron conflict                                  | Tree root protection plate to be installed   |
| #32 Linden Avenue      | 23" Honey locust in good condition with roots overhanging curb and curb pushed out 1"                            | Tree root protection plate to be installed   |
| #2 Linden Avenue       | 24" tree expected to interfere with curb construction  | Tree root protection plate to be installed   |
| #2 Linden Avenue       | 24" tree expected to interfere with curb construction  | Tree root protection plate to be installed   |
| #17 Kings Highway West | 18" Red Oak in good condition with roots overhanging curb 1/2" and curb pushed out 1/2"                          | Tree root protection plate to be installed   |
| PATCO Parking lot      | 18" Sweet Gum in good condition with roots overhanging curb  | Tree to be removed due to road construction  |
| PATCO Parking lot      | 22" Sweet Gum in poor condition with root in the street; tree to be removed per township                         | Tree to be removed due to health             |
| #53 Linden Avenue      | 33" Silver Maple in poor condition with roots overhanging curb   | Tree to be removed due to health             |
| #57 Linden Avenue      | 29" Sugar Maple in poor condition and pushing out curb 1"  | Tree to be removed due to health             |
| #61 Linden Avenue      | 23" Silver Maple in OK condition with roots pushing out curb 1/2" and possible apron conflict                    | Tree to be removed due to road construction  |
| #70 Linden Avenue      | 36" London Plane tree in OK condition growing into the street  | Tree to be removed due to road construction  |

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| #70 Linden Avenue   | 35" London Plane tree in OK condition growing into the street  | Tree to be removed due to road construction  |
| #66 Linden Avenue   | 28" London Plane tree in OK condition with roots overhanging the curb and the curb pushed out                  | Tree root protection plate to be installed   |
| #66 Linden Avenue   | 38" London Plane tree in OK condition pushing out curb   | Tree root protection plate to be installed   |
| #219 Marne Avenue   | 26" Red Oak in OK condition with roots overhanging curb 2"   | Tree root protection plate to be installed   |
| #219 Marne Avenue   | 24" tree expected to interfere with curb installation  | Tree root protection plate to be installed   |
| #200 Marne Avenue   | 24" tree causing non-compliant ADA ramp  | Tree to be removed due to road construction  |
| #200 Marne Avenue   | 23" Red Maple with trunk damage with the curb pushed out 1"  | Tree root protection plate to be installed   |
| #206 Marne Avenue   | 15" tree causing protruding curb   | Tree root protection plate to be installed   |
| #228 Marne Avenue   | 26" London Plane tree in OK condition with roots overhanging curb 2" and an apron conflict                     | Tree to be removed due to road construction  |
| #300 Maple Avenue   | 28" London Plane tree in OK condition with roots overhanging the curb  | Tree root protection plate to be installed   |
| #410 Longwood Drive | 30" tree expected to interfere with curb installation  | Tree root protection plate to be installed   |
| #431 Longwood Drive | 29" Oak tree in OK condition with roots overhanging the curb   | Tree to be removed due to road construction  |
| #430 Longwood Drive | 31" Red Maple tree in good condition with roots overhanging the curb 1" and curb pushed out 1"; inlet conflict | Tree to be removed due to road construction. |

In conclusion, several of the trees will need to be removed due to health or conflicts with roadway construction. However, several trees can remain with the use of a tree plate.

Enclosed with this memorandum is a mark-up of the survey for each roadway indicating the location of each tree proposed to remain, be removed and / or receive a tree plate.

If you have questions, please do not hesitate to contact me.