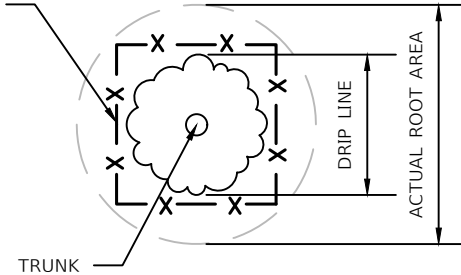


## TREE PRESERVATION

### PRIVATE PROPERTY TREES:

CONSTRUCTION FENCING PERIMETER WITH METAL POSTS SET NO FARTHER APART THAN 3-FT CENTERS (MAX.) SO FENCING WILL REMAIN STABLE THROUGHOUT CONSTRUCTION. FENCING SHALL BE MAINTAINED DAILY.

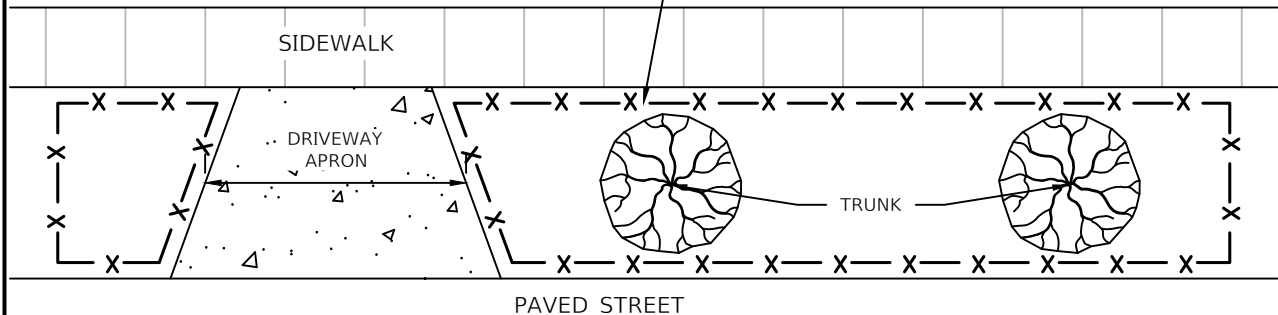


ROOTS OF TREES EXTEND FAR BEYOND THE TREES CANOPY. TO PROTECT THESE ROOTS, PLACE CONSTRUCTION FENCING AROUND THE CRITICAL ROOT ZONE (CRZ = 1' X DBH) OF THE TREE. THE IMPACT OF CONSTRUCTION ON THE TREE WILL LARGELY BE DETERMINED BY THE AMOUNT OF SPACE GIVEN FOR THE TREE PROTECTION AREA.

### PARKWAY TREES:

GENERALLY THE ROOT SYSTEM OF A PARKWAY TREE ONLY EXTENDS FROM THE TRUNK TO THE END OF THE PARKWAY ON THE STREET SIDE OF THE TREE. THE ROOTS ON THE SIDEWALK SIDE CAN RUN UNDERNEATH THE WALKWAY AND ONTO PRIVATE PROPERTY. IT IS VERY IMPORTANT TO FENCE OFF THE ENTIRE PARKWAY (OR AS APPROVED BY THE VILLAGE FORESTER) TO MINIMIZE THE DAMAGE TO THE ROOT SYSTEM OF THESE TREES. PLEASE REFER TO THE DETAIL BELOW FOR THE PROPER INSTALLATION OF PARKWAY TREE FENCING.

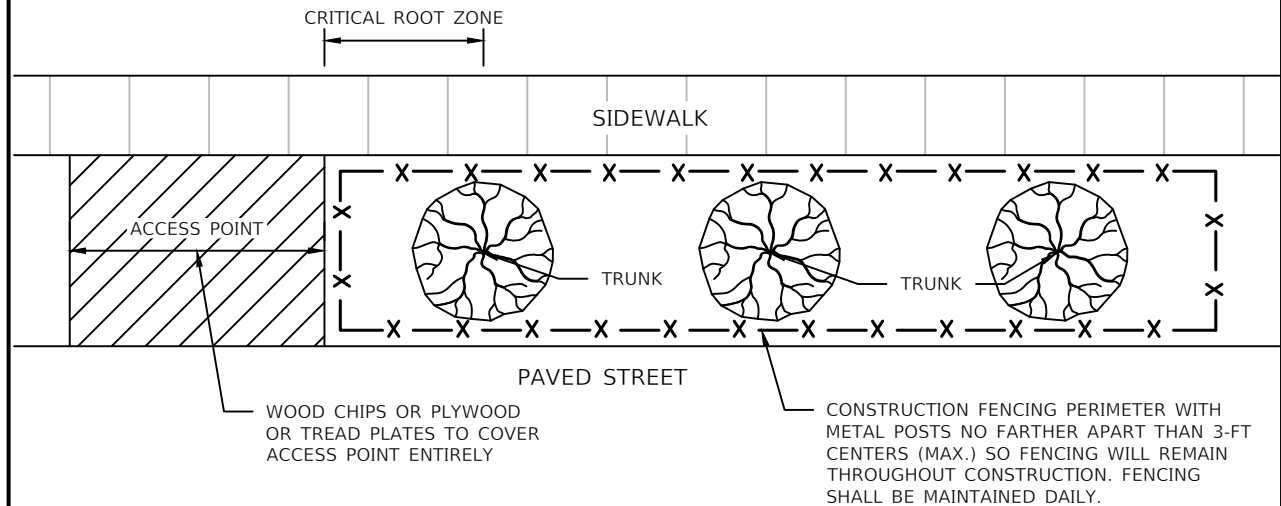
CONSTRUCTION FENCING PERIMETER WITH METAL POSTS SET NO FARTHER THAN 3-FT CENTERS (MAX.) SO FENCING WILL REMAIN STABLE THROUGHOUT CONSTRUCTION. FENCING SHALL BE MAINTAINED DAILY.



REVISED		<b>TREE PROTECTION FENCING DETAIL</b>  Village of Wilmette Engineering and Public Works Department 847.853.7660	STANDARD: #### SHEET: 1 OF 2 CREATED: DPS DATE: 04-04-2022 NOT TO SCALE
By	Date		

## PARKWAY TREE FENCING WITHOUT DRIVEWAY:

IF THE PROPERTY DOES NOT HAVE DRIVEWAY ACCESS, AN ACCESS POINT TO THE FRONT OF THE PROPERTY ACROSS THE PARKWAY IS PERMITTED AS APPROVED BY THE VILLAGE FORESTER. THIS ACCESS POINT MUST BE CONSTRUCTED TO PREVENT SOIL COMPACTION AND DAMAGE TO PARKWAY TREES ROOT SYSTEMS. THE GENERAL CONTRACTOR OR OWNER MUST FENCE OFF THE PERIMETER OF THE PARKWAY UP TO THE DESIGNATED ACCESS POINT. A MINIMUM OF 10" OF MULCH, PLYWOOD, OR OTHER MEANS APPROVED BY THE VILLAGE FORESTER MUST BE PLACED ACROSS THE ENTIRE ACCESS POINT. THIS MUST BE MAINTAINED DAILY THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITY.



## CONSTRUCTION DANGERS TO BE AWARE OF:

**COMPACTION:** MINIMIZE THIS TYPE OF DAMAGE BY FENCING TREES TO THE DRIPLINE. A MAJORITY OF A TREES ROOTS ARE LOCATED IN THE TOP 18-24" OF SOIL AND CAN SPREAD TWO TO THREE TIMES FURTHER THAN THE BRANCHES. THEY ARE THE VITAL SUPPORT STRUCTURE AND WATER/NUTRIENT PROVIDER FOR THE TREE. LARGE EQUIPMENT (BOBCATS, LOADERS, CEMENT TRUCKS, ETC.), IF DRIVEN OVER THIS AREA, WILL REDUCE THE PORE SPACE IN THE SOIL. THERE WILL BE LESS WATER AND OXYGEN AVAILABLE IN THE SOIL BECAUSE OF THIS ACTIVITY. THIS WILL CAUSE THE TREE TO "STARVE" SINCE ITS ROOTS WILL BE DAMAGED AND NOT ABLE TO ACCESS THE WATER AND NUTRIENTS THEY NEED.

**TRUNK DAMAGE/BROKEN BRANCHES:** PREVENT THIS DAMAGE BY PRUNING LOW HANGING BRANCHES ON CONSTRUCTION SITES TO AVOID BREAKING & RIPPING THEM WITH TRUCKS AND OTHER CONSTRUCTION EQUIPMENT. IF THERE ARE LOW HANGING BRANCHES ON PARKWAY TREES CONTACT PUBLIC WORKS AT 847-853-7500. INSTALLATION AND MAINTAINING TREE PROTECTION FENCING WILL KEEP SKIDDERS, BOBCATS, ETC. FROM DAMAGING THE TRUNK. WOUNDS CAUSED IN THIS MANNER LEAVE SOURCES OF INFECTION FOR PATHOGENS. THIS WILL CAUSE THE TREE TO BE STRESSED AND SUSCEPTIBLE TO DISEASE AND DEATH.

**TRENCHING:** SEWER, WATER AND OTHER UTILITIES ARE PLACED UNDERGROUND. THE INSTALLATION OF THESE UTILITIES VIA TRENCHING CAUSES TREMENDOUS DAMAGE TO THE ROOT SYSTEM OF THE TREE. TRENCHING EQUIPMENT WILL TEAR & SEVER A LARGE PORTION OF THE ROOT ZONE RESPONSIBLE FOR WATER & NUTRIENT UPTAKE. THIS WILL PROVIDE A SOURCE OF INFECTION FOR FUNGUS & OTHER PATHOGENS LEADING TO TREE STRESS, DISEASE PROBLEMS, WEAK LIMBS, AND DEATH. ANY OPEN CUT TRENCHING WITHIN THE DRIPLINE OF ANY TREE MUST BE APPROVED BY FORESTRY AND ENGINEERING.

IF ANY CONFLICTS WITH TREES ARISE PER THE IEPA SEWER AND WATER SEPARATION REQUIREMENTS, PLEASE CONTACT PUBLIC WORKS PRIOR TO ANY WORK.

REVISED		<b>TREE PROTECTION FENCING DETAIL</b>  Village of Wilmette Engineering and Public Works Department 847.853.7660	STANDARD: #### SHEET: 2 OF 2 CREATED: DPS DATE: 04-04-2022 NOT TO SCALE
By	Date		