

SECTION A-A

NOTES:

1. ALLOWABLE TREE SIZE AT MATURITY IS 30 FEET IN HEIGHT
2. STRUCTURAL SOIL MAY BE CU-STRUCTURAL SOIL™ OR STALITE (FOR SANDY SOILS). TRADITIONAL CRUSHED LIMESTONE IS NOT PERMITTED FOR USE IN TREE PLANTERS.
3. CU-STRUCTURAL SOIL SHALL BE OBTAINED FROM A LICENSED PRODUCER SUCH AS MIDWEST TRADING.
4. TREE SPECIES SHOULD BE CHOSEN THAT PREFER WELL DRAINED SOIL AND BE SUITABLE FOR THE EXPECTED pH OF THE CU-SOIL PROVIDED.
5. INITIAL WATERING SHOULD BE AT A RATE OF 20 GALLONS PER TREE, EVERY 5-7 DAYS.
6. SEE SHEET 2 FOR PLAN VIEW AND QUANTITIES.

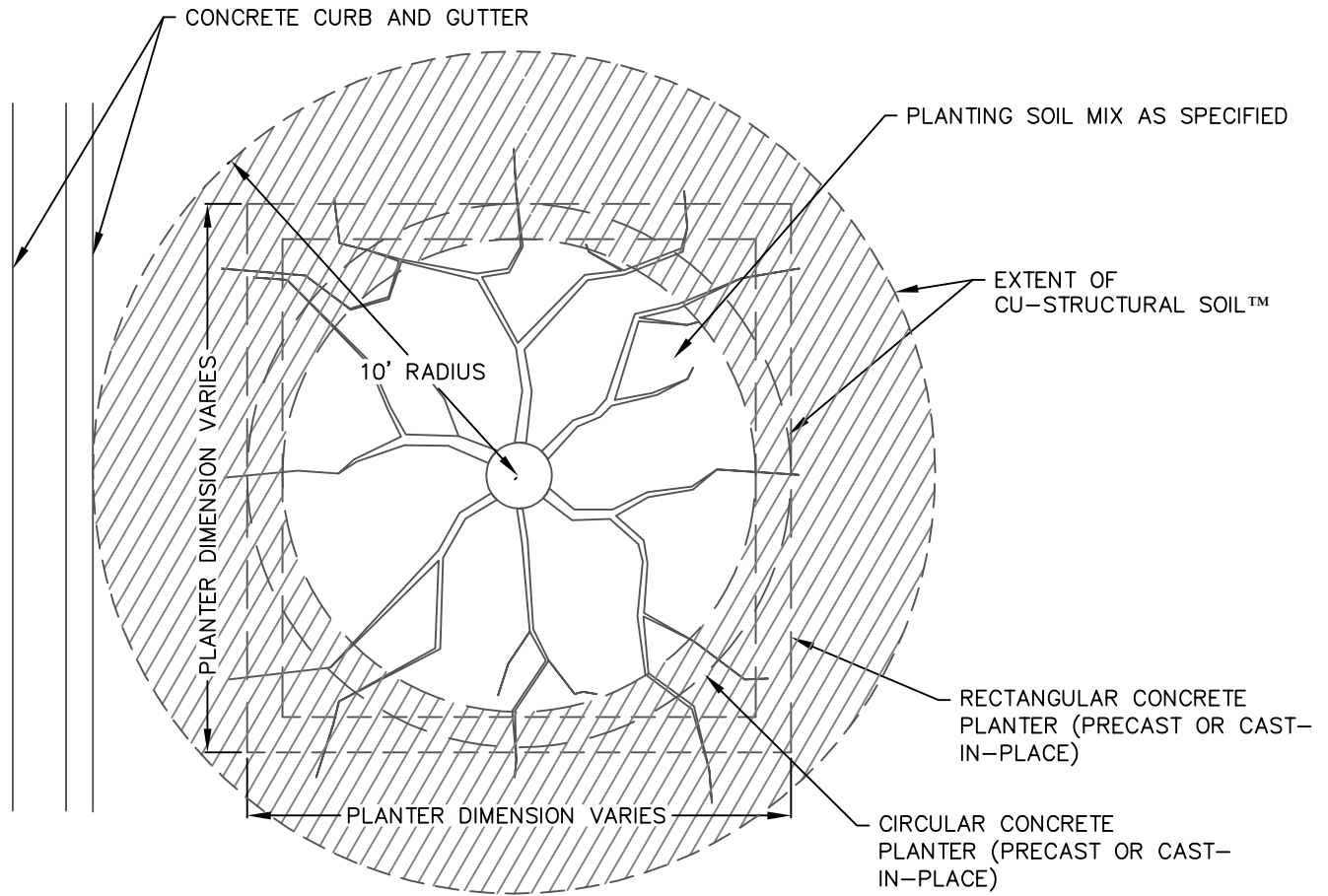
## TREE PLANTER AND LIMITED SPACE TREE PLANTING DETAIL



Village of Northbrook  
Public Works Department

DATE	REVISIONS
04-30-20	New Detail

STANDARD DETAIL  
G-9 (01)



**GENERAL**

APPROXIMATE SOIL VOLUMES NEEDED:  
 2 CUBIC-FEET OF PLANTING SOIL FOR EVERY SQUARE-FOOT OF AREA ENCOMPASSED BY THE EXPECTED DRIP LINE AT TREE'S MATURITY (CROWN PROJECTION)

**EXAMPLE**

GIVEN ONE MATURE TREE WITH A HEIGHT OF LESS THAN 30 FT. AND A CROWN PROJECTION OF 20 FT IN A 5 FT. BY 5 FT. PLANTER.

CALCULATED CIRCULAR AREA FOR TREE = 314 S.F. (RADIUS = 10 FT.)  
 SOIL VOLUME NEEDED AT 24" DEPTH = 630 C.F.  
 OF WHICH PLANTING SOIL MIX VOLUME NEEDED = 80 C.F.  
 AND CU-SOIL™ NEEDED = 550 C.F.

IF PLANTER IS LARGER THAN EXAMPLE ABOVE:

PLANTER DIMENSIONS	TOTAL SOIL VOLUME	PLANTING SOIL MIX VOLUME	CU-SOIL™ VOLUME
5 FT.X10 FT.	670 C.F.	150 C.F.	520 C.F.
10 FT.X10 FT.	710 C.F.	300 C.F.	410 C.F.

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