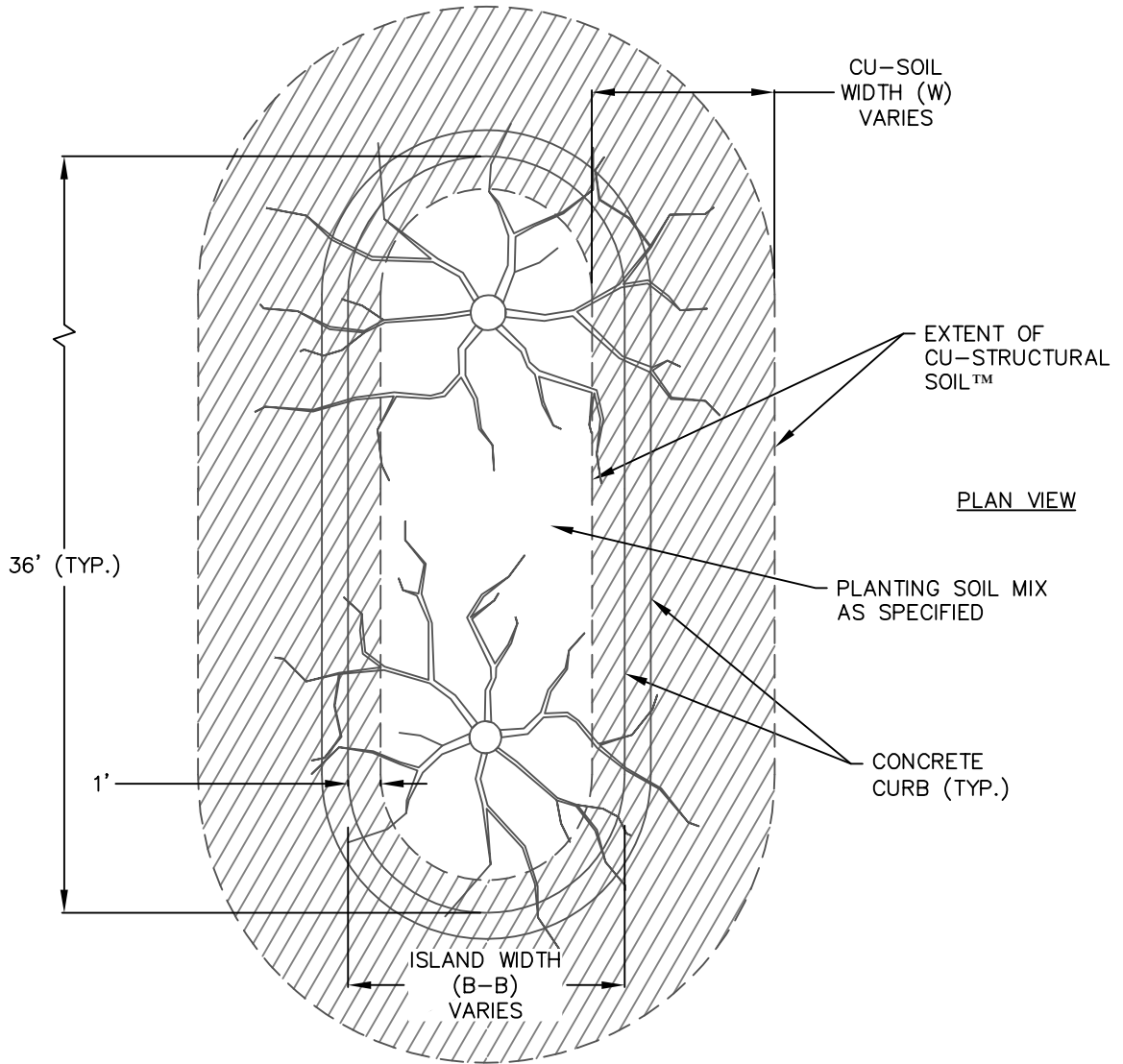


- NOTES:
1. ALLOWABLE TREE SIZE AT MATURITY IS 30 FEET IN HEIGHT
  2. STRUCTURAL SOIL MAY BE CU-STRUCTURAL SOIL™ OR STALITE (FOR SANDY SOILS). TRADITIONAL CRUSHED LIMESTONE IS NOT PERMITTED FOR USE IN PARKING LOT ISLANDS THAT HAVE TREES PLANTED.
  3. CU-STRUCTURAL SOIL SHALL BE OBTAINED FROM A LICENSED 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.



## PARKING ISLAND TREE PLANTING DETAIL

<b>Village of Northbrook Public Works Department</b>	DATE	REVISIONS	<b>STANDARD DETAIL G-8 (01)</b>
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**GENERAL**

APPROXIMATE SOIL VOLUMES NEEDED:

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

**EXAMPLE**

GIVEN TWO MATURE TREES WITH A HEIGHT OF LESS THAN 30 FT. AND A CROWN PROJECTION OF 20 FT IN A 5 FT. WIDE, 36 FT. LONG ISLAND:

CALCULATED AREA FOR TREE = 628 S.F.  
 SOIL VOLUME NEEDED AT 24" DEPTH = 1260 C.F.  
 OF WHICH PLANTING SOIL MIX VOLUME NEEDED = 300 C.F.  
 AND CU-SOIL™ NEEDED = 960 C.F.

IF ISLAND IS WIDER THAN EXAMPLE ABOVE:

B-B	TOTAL SOIL VOLUME	PLANTING SOIL MIX VOLUME	CU-SOIL™ VOLUME	CU-SOIL™ WIDTH (W)
7.5 FT.	1260 C.F.	560 C.F.	700 C.F.	3.5 FT.
10.0 FT.	1260 C.F.	820 C.F.	440 C.F.	2 FT.



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