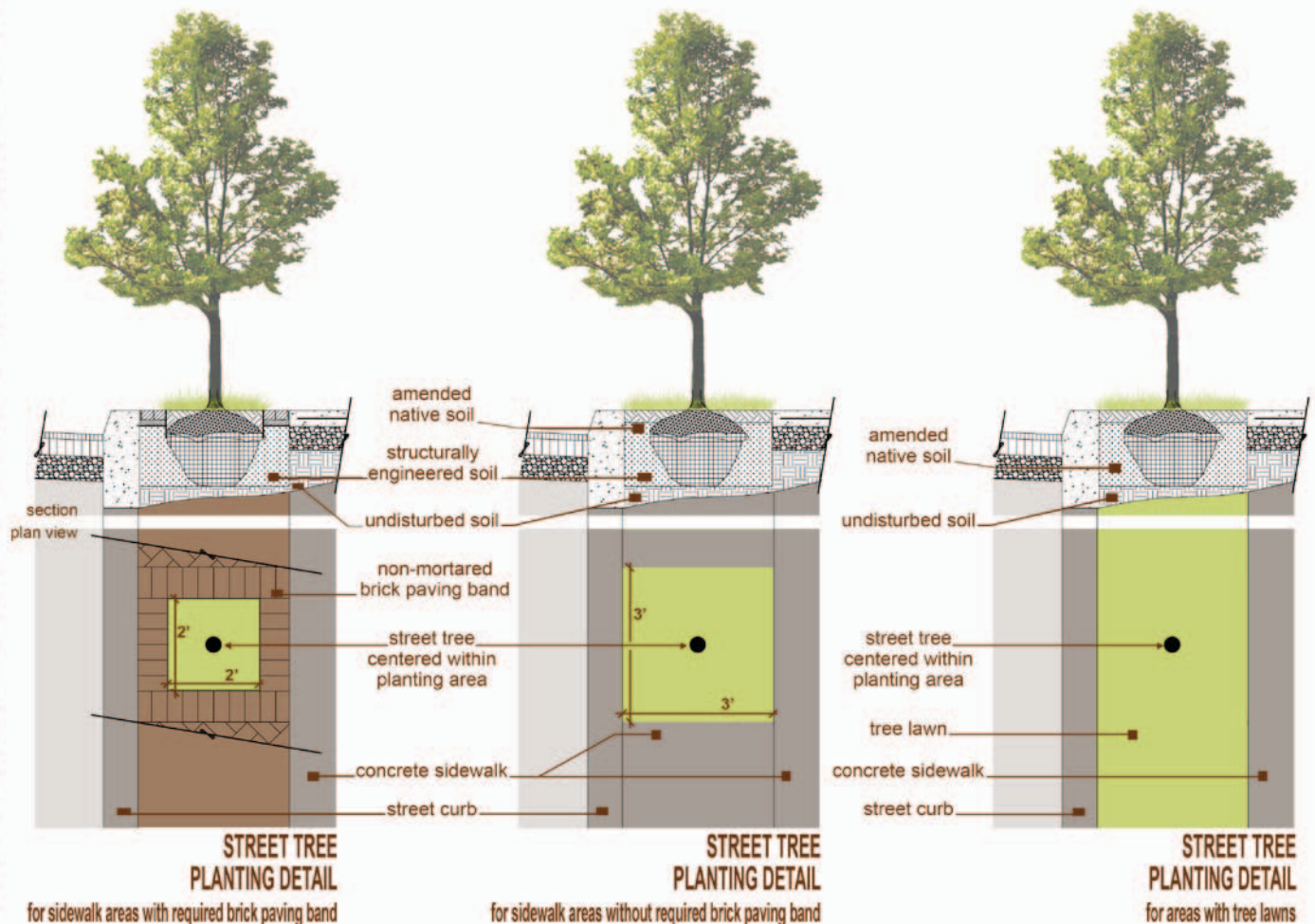


Landscape Design Standards

Street Tree Standards - Planting Details



Legislative Intent

- 20.86 For new tree plantings in areas without tree lawns, and where more than fifty (50) feet of contiguous Streetscape enhancements are proposed, it is intended that continuous trenches of structurally engineered soil be provided parallel to curb-lines to facilitate better root growth, while permitting air and water to reach critical root zones. Individual tree planting pits are not permitted in such areas unless existing tree and utility locations render continuous trenches infeasible.
- 20.87 For areas without tree lawns and where continuous trenches are not required due to a limited Streetscape improvement area (less than fifty [50] feet overall sidewalk length), it is intended that trees be installed within individual planting pits (minimum three [3] feet wide by three [3] feet long by three [3] feet deep).
- 20.88 For areas with tree lawns, it is intended that native soil within the entire width of such unpaved area be amended to a depth equal to the height of the installed tree's root ball. Structurally engineered soil is not required.

Design Standards

- 20.89 For new tree plantings in areas with tree lawns (unpaved area between curbs and sidewalks), native soils shall be used in place of structurally engineered soils. Such soils shall be amended with ample organic matter at the time of tree planting.
- 20.90 Where tree lawns are not permitted and where sidewalks extend to curbs, sidewalk pavements often fail due to tree root growth. To minimize failure, structurally engineered soil and adequately compacted sub-surface base materials for sidewalk pavements shall be used. Such soils shall contain a mix of loam, stone, water, and a moisture-retaining polymers so that weight-bearing loads are transferred from stone to stone, leaving the soil between stones unaffected by compaction, capable of greater nutrient holding capacity, and enhanced with improved drainage.
- 20.91 Where sidewalks extend to curbs and where continuous trenches are not required, soil within a minimum three (3) feet wide by three (3) feet long by three (3) feet deep tree planting pit shall be prepared in accordance with section 194.80.
- 20.92 The base of the root collar (area where the trunk transitions to the tree's root mass) shall remain above surrounding soil backfill.
- 20.93 Following tree planting in areas without tree lawns, paving shall be placed over four (4) inches of stone paving sub-base and over structurally engineered soils which have been adequately compacted per manufacturer's specifications.
- 20.94 Due to associated costs and on-going maintenance, tree grates shall not be used unless specifically approved by the Borough. Instead, tree plantings in areas without tree lawns and where brick paving bands are required shall be covered with non-mortared brick pavers (retaining two [2] feet by two [2] feet pavement openings centered on tree trunks), shall include a sub-surface, paver edge restraint to keep brick pavers in place, and shall be mulched with double-shredded hardwood mulch (two [2] inch depth). Other newly planted areas shall be covered with either mulch and/or groundcover plantings. Stone mulch and decorative edgings which extends above the soil surface are not permitted.