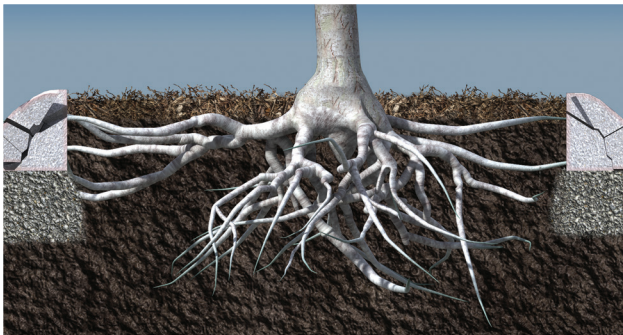


URBAN ROOT SYSTEM

The StormTank Module Urban Root System protects your long-term investment in streetscape canopy trees by providing a structurally robust soil cell in an efficient footprint. The Urban Root System promotes healthy root growth and protects adjacent sidewalks, curbs, and pavement from root damage by acting as a suspended pavement soil containment structure. The system can support AASHTO HS-25/HS-20 heavy vehicle loads while providing an uncompacted soil volume inside the StormTank Modules.



ROOT GROWTH WITHOUT MODULE

Urban tree planting faces long-term risks due to the competing demands of typical streetscape features – such as sidewalks, pavement, curbs, and utilities – and the need for healthy canopy tree development. Pavement subgrade is often compacted to 95% standard proctor density, while most canopy trees require a lightly compacted soil density, typically below 80%. Compacted soil restricts root space, which can lead to tree failure as they mature. Constrained roots can also damage pavement and sidewalks as they grow. This ultimately creates dead space in the streetscape design and hazardous conditions for pedestrians.



ROOT GROWTH WITH MODULE

The StormTank Urban Root System allows healthy root growth in an uncompacted soil volume so street trees can develop to maturity. The suspended pavement system can be designed for the specific soil volume requirements of the tree species being planted. The subgrade below the system and the fill above the StormTank Module can be compacted to 95% standard proctor density without limiting root growth.

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