



Tree Base Instructions

Install 3” of Organic-Lock blended aggregate up to root ball diameter.

It is always recommended to install Organic-Lock blended aggregate at a minimum of 3 inches on top of a properly prepared base. It is therefore recommended to install the Organic-Lock blended aggregate up to the root ball diameter at 3 inches on a properly prepared base (Regions DOT specified base).

Structural Soil

*Structural Soil is a medium that can be compacted to pavement design and installation requirements while permitting root growth. It is a mixture of gap-graded gravels (made of crushed stone), clay loam, and a hydrogel stabilizing agent to keep the mixture from separating. SEE: CU Structural Soil

It is recommended to use a structural soil instead of the base material in the areas below and surrounding the root ball. We recommend installing a tapered installation of the Organic-Lock™ blended aggregate going from the 3 inches down to 1.5 inch deep at the base of the tree.

High water requirements

If the tree is in need of a higher than average percentage of water intake, it is recommended to install "unstabilized" aggregate in the full radius of the root ball. It should be noted that installing the Organic-Lock blended aggregate at a depth lower than 3-inch provide, will affect the surface strength of the material.

Unstabilized aggregate performance

Aggregate that is unstabilized by Organic-Lock will be more susceptible to displacement than the surrounding area. Not using a proper depth of Organic-Lock™ stabilized aggregate or using unstabilized aggregate, up to the trunk of the tree may create an area that is not as firm as the other areas. **These areas (i.e. directly beside a tree) typically do not receive as much traffic as the open space areas surrounding it, because they are areas that are generally prohibitive to high traffic volume.**

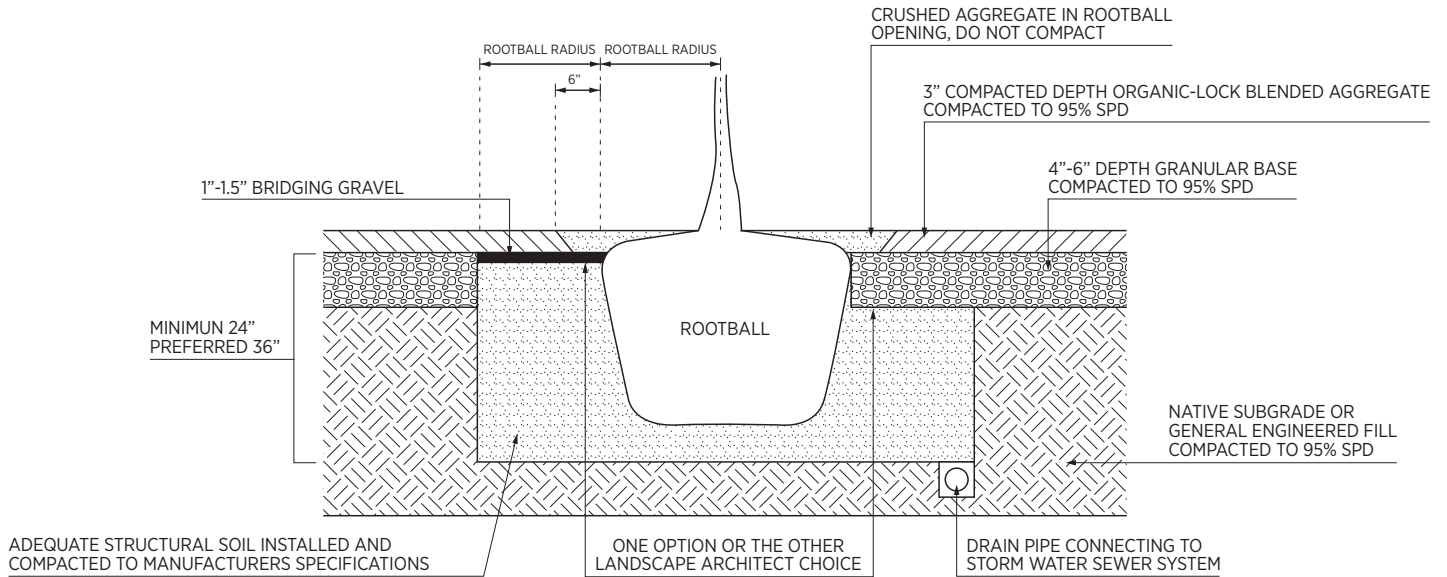
Mature Tree Roots:

Organic-Lock™ blended aggregate needs to be installed on top of a properly compacted base in order to perform optimally, so it is imperative that the proper base depth (as seen in our specifications) is achieved wherever possible.

In order to facilitate acceptable and proper water intake for mature trees, we recommend leaving the area around the tree (area the size of the root ball) *PLUS* an additional 12” vacant of our Organic-Lock™ binder and use an unstabilized natural form of the same aggregate instead in this area. It is recommended to install engineered structural soil in the area below and directly surrounding the tree root ball as the base material.



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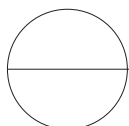
SECTION

PRE-HYDRATED ORGANIC-LOCK AGGREGATE BLEND IS THE SPECIFIED METHOD OF INSTALLATION, THIS ENSURES THAT ORGANIC-LOCK BINDER IS HOMOGENEOUSLY BLENDED AND ACTIVATED BY WATER.

IF THE SLOPE OF THE PROJECT AREA IS LESS THAN 2% A CROWN SHOULD BE INCORPORATED INTO THE PATHWAY. IF THE SLOPE OF YOUR PROJECT AREA IS GREATER THAN 2% INCORPORATE A CROSS SLOPE INTO THE PATHWAY.

NOTES:

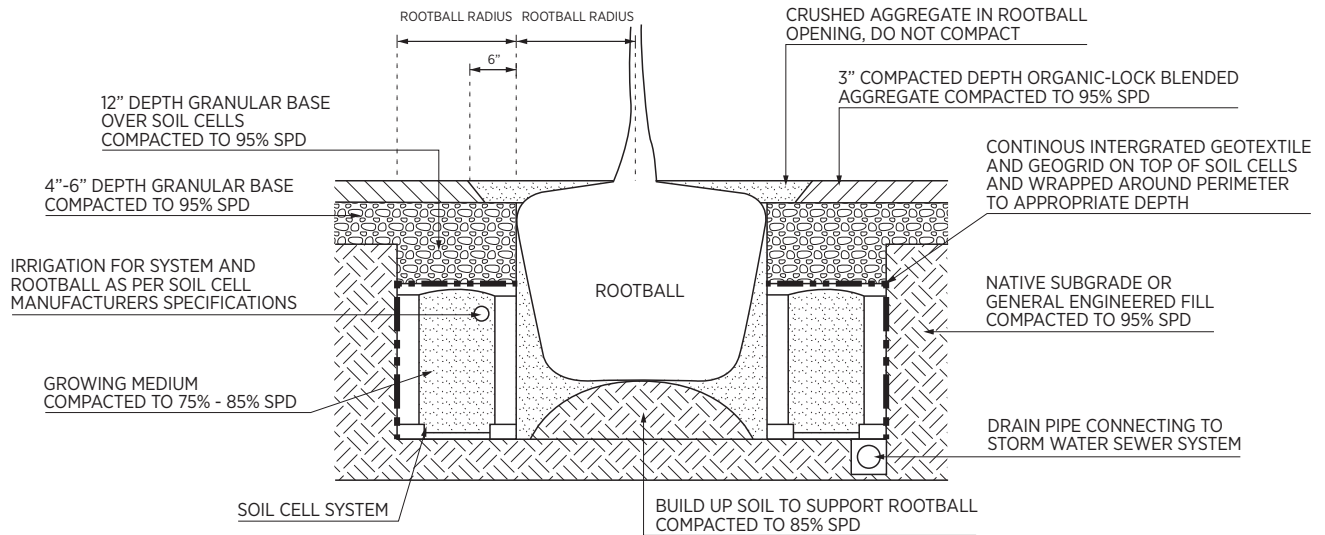
1. INSTALLATION TO BE COMPLETED IN ACCORANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWINGS.
4. INSTALL 3" OF ORGANIC-LOCK BLENDED AGGREGATE ON RECOMMENDED BASE, UP TO THE EDGE OF THE ROOT BALL +6" RADIUS, THEN TAPER EDGE DOWN TOWARDS TREE. THAT EDGE SHOULD BE ROLLED SMOOTH.
5. PLACE UN-STABILIZED AGGREGATE OVER ROOT BALL +6" RADIUS.
6. PLANTING HOLE SHOULD BE MINIMUM, TWICE DIAMETER OF ROOT BALL.
7. DRAWING SHOWS MINIMUM STRUCTURAL SOIL DIMENSIONS - CONTINUOUS TREE TRENCH RECOMMENDED FOR STREE-SIDE APPLICATION - REVIEW PLAN VIEW FOR OVERALL DIMENSIONS OF STRUCTURAL SOIL AREA.
8. A LOCAL ARBORIST SHOULD BE CONSULTED AS TO THE WATER REQUIREMENTS OF THE TREE SPECIES.
- 8A. OPTIONAL DRIP IRRIGATION TO BE INSTALLED UNDER GRANULAR BASE MATERIAL, IN CLOSE PROXIMITY TO ROOTBALL, IF APPLICABLE.
9. OPTIONAL ROOT BARRIER TO BE INSTALLED DIRECTLY UNDER WHOLE CIRCUMFRANCE OF SURFACE LAYER TRANSITION FROM CRUSHED AGGREGATE TO ORGANIC-LOCK BLENDED AGGREGATE.
10. DESIGN SHOULD BE REVIEWED BY LANDSCAPE ARCHITECT AS TO THE NEEDS OF THE PROJECT.
11. THIS DETAIL IS FOR INFORMATION PURPOSES ONLY. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT, BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
12. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/inf REFERENCE NUMBER 2643-001A REFERENCE NUMBER 4928-001.



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FOOT TRAFFIC ON STRUCTURAL SOIL



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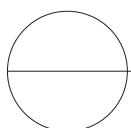
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NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH RESPECTIVE MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWINGS.
4. INSTALL 3" OF ORGANIC-LOCK BLENDED AGGREGATE ON RECOMMENDED BASE, UP TO THE EDGE OF THE ROOT BALL +6" RADIUS, THEN TAPER EDGE DOWN TOWARDS TREE. THAT EDGE SHOULD BE ROLLED SMOOTH.
5. PLACE UN-STABILIZED AGGREGATE OVER ROOT BALL +6" RADIUS.
6. PLANTING HOLE SHOULD BE MINIMUM, TWICE DIAMETER OF ROOT BALL.
7. DRAWING SHOWS MINIMUM SOIL CELL (GROWING MEDIUM) DIMENSIONS - CONTINUOUS TREE TRENCH RECOMMENDED FOR STREET-SIDE APPLICATION - REVIEW PLAN VIEW FOR OVERALL DIMENSIONS OF SOIL CELL AREA.
8. A LOCAL ARBORIST SHOULD BE CONSULTED AS TO THE WATER REQUIREMENTS OF THE TREE SPECIES.
- 8A. OPTIONAL DRIP IRRIGATION TO BE INSTALLED UNDER GRANULAR BASE MATERIAL, IN CLOSE PROXIMITY TO ROOTBALL, IF APPLICABLE
- 8B. SYSTEM REQUIRES IRRIGATION THROUGHOUT AS PER MANUFACTURERS SPECIFICATIONS.
9. OPTIONAL ROOT BARRIER TO BE INSTALLED DIRECTLY UNDER WHOLE CIRCUMFRANCE OF SURFACE LAYER TRANSITION FROM CRUSHED AGGREGATE TO ORGANIC-LOCK BLENDED AGGREGATE.
10. DESIGN SHOULD BE REVIEWED BY LANDSCAPE ARCHITECT AS TO THE NEEDS OF THE PROJECT.
11. THIS DETAIL IS FOR INFORMATION PURPOSES ONLY. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT, BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
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13. CONTRACTORS NOTE: FOR SOIL CELL INSTALLATION INFORMATION VISIT <https://www.deeproot.com/silvapdfs/resources/SC2/construction/SC2-Contractor-Install-Guidelines-web.pdf>



**ORGANIC-LOCK™ TREE INSTALL
 FOOT TRAFFIC ON SOIL CELLS**