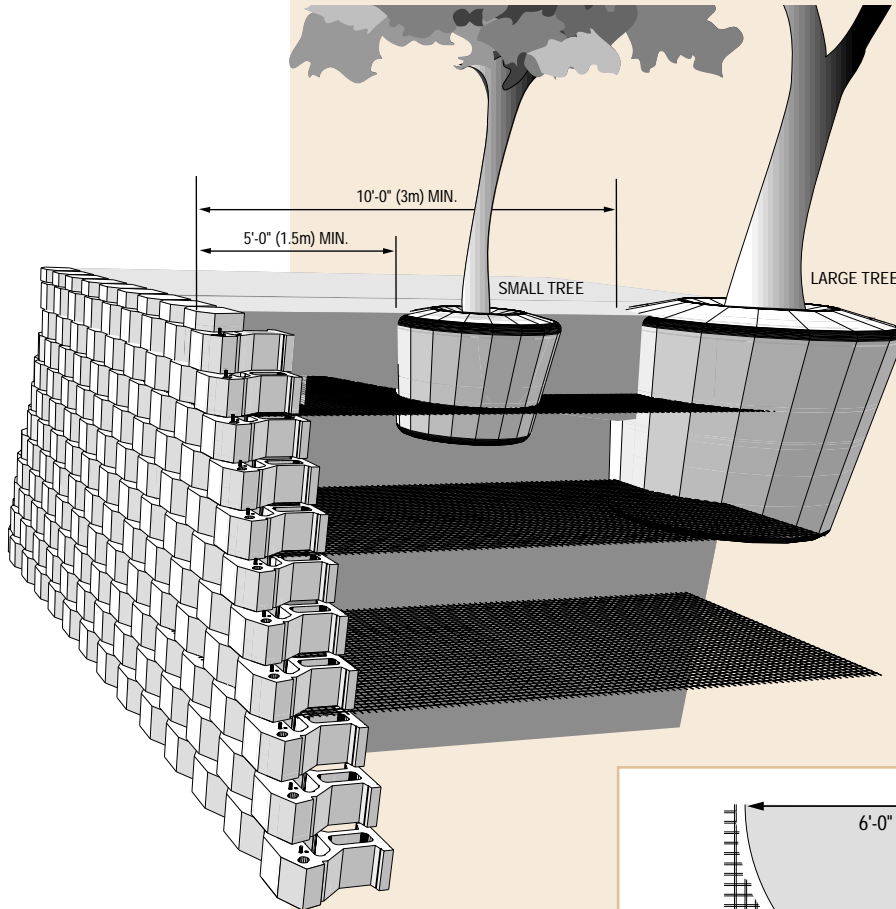


MISCELLANEOUS DETAILS

▶ TREE PLANTING DETAIL

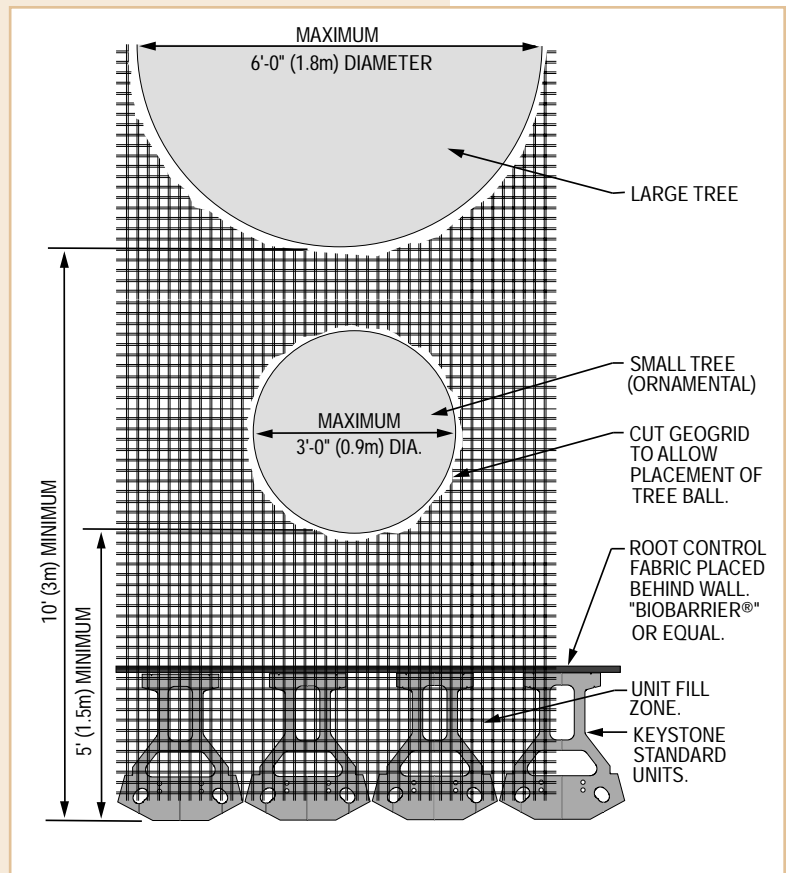


NOTES:

- ▶ Only top two layers of geogrid should be cut to allow planting of tree ball.
- ▶ Uniform geogrid layers may be interrupted periodically with openings for trees. If trees are spaced closely together and cutting of geogrid becomes excessive, consult with your Keystone representative.
- ▶ Cut holes cleanly in geogrid for root ball.
- ▶ This process can work for small shrubs as well. In most cases, shrub root balls typically will not be deep enough to affect the first layer of geogrid.

Planting trees or shrubs behind the Keystone wall can be accomplished with a few simple considerations.

- ▶ Plant small ornamental trees approximately 5'-0" (1.5m) minimum from face of wall to avoid root growth into drainage zone or surcharge loading developed by wind load acting on the tree.
- ▶ Plant large trees approximately 10'-0" (3m) minimum from face of wall.
- ▶ Utilize a root control barrier as required to avoid root pressures or growth thru the Keystone concrete units.  
NOTE: If root growth pushes on Keystone wall during growth life of tree, Keystone units can be dismantled and relocated if property limits permit.
- ▶ If the design includes irrigation lines, locate these lines directly behind wall units. In this location, if there is a break in the line, the water will be noticed on the wall face and the path of excess water will be draining through the wall versus saturating the reinforced fill zone and adding hydrostatic load to the wall.



The information contained herein has been compiled by Keystone® Retaining Wall Systems, Inc. and to the best of our knowledge, accurately represents the Keystone product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user. Structural design and analysis shall be performed by a qualified engineer.  
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