1" - 3½" Caliper Tree Planting

**General Notes:**

1. All dimensions 6" and less are exaggerated for illustrative purposes only.
2. Plant containers shall be removed prior to planting. If plants are not container grown, remove a minimum of the top 1/3 of burlap, fabric, or wire mesh. Never lift or handle the tree by the trunk.
3. The uppermost root on all trees shall be covered by less than 1" of soil. Use hand tools to carefully remove all excess soil. The tip of the root ball shall be set 1"-2" above finish grade and set plumb to the horizon. If planting pit is too deep, remove the tree and firmly pack additional soil in the bottom of the planting pit to raise the rootball. After positioning the tree in the planting pit, slice through rootballs with 3 or 4 vertical slices (top to bottom) equally distributed around the tree.
4. Backfill shall be loosened existing soil. Remove rocks, sticks, or other deleterious material greater than 1" in any direction prior to backfilling. Water and tamp to remove air pockets. If existing soils contain excessive sand, clay, or other material not conducive to proper plant growth, contact Engineer prior to planting.
5. Soil rings shall be constructed of existing soil at the outer edge of the planting pit, with a height of 3" and gently sloping sides. Do not pile soil on top of rootball.
6. Mulch shall be a 3" deep layer placed on the edge of the trunk flares, around the base of shrub, or solidly around groundcover. Never pile mulch against the tree trunk.
7. Straps shall be minimum 1" wide nylon or polypropylene. All wood stakes or anchors shall be located beyond the edge of soil ring and located below finished grade, unless otherwise specified.
8. Sabal Palms may be hurricane cut. All other palms must have fronds tied with biodegradable twine. Palm trunks shall have no burn marks, scars, or sanding.
9. All dimensions provided for wood materials are nominal.
10. When a permanent, subsurface, or drip irrigation system is provided, a soil ring is not required. Mulch to edge of planting pit.
11. Alternate tree bracing and guying systems approved by the Engineer may be used in lieu of the tree bracing and guying methods detailed in this Index. Alternate tree protection systems approved by the Engineer may be used in lieu of the tree protection barricade detailed in the Index.
12. Remove aboveground guying systems at the end of the establishment period.
Tree Protection Barricades Shall Be Located To Protect A Minimum Of 75% Of The Critical Protection Zone.

**Ground Cover/Shrub Planting**

- Wood 2 X 4 Posts
- Wood 1 X 4 Stringers, Nail Wood Stringers Securely To Wood Posts.
- Tree Trunk
- Nature - Orange Nylon Or Polypropylene Type Fence
- Security MTS Tie Back To Stringer With Staples Or Nails
- Existing Soil Bed
- Planting Pit 2 Times Width Of Rootball
- Spacing Per Plans
- Shrub Or Ground Cover Planting
- Maximum Matures Maintained Spread Of Plants
- Spacing Per Plans

**Ground Cover/Shrub Planting On Slope**

- Existing Soil
- Shrub Or Ground Cover Planting
- Soil Ring For Water Collection

**Ground Cover/Shrub Layout Detail**

- Spacing Per Plans

**Tree Protection Barricade**

- Wood 2 X 4 Posts
- Wood 1 X 4 Stringers, Nail Wood Stringers Securely To Wood Posts.
- Tree Trunk
- Nature - Orange Nylon Or Polypropylene Type Fence
- Security MTS Tie Back To Stringer With Staples Or Nails
- Existing Soil Bed
- Planting Pit 2 Times Width Of Rootball
- Spacing Per Plans
- Shrub Or Ground Cover Planting
- Maximum Matures Maintained Spread Of Plants
- Spacing Per Plans

**Notes**:
1. Critical Protection Zone: The Area Surrounding & Tree Within A Circle Described By A Radius Of One Foot For Each Inch Of The Tree Trunk Diameter At 54" Above Finished Grade. For Groups Of Trees, Place Barricades Between Trees And Construction Activity.
2. Tree Protection Barricades Shall Be Located To Protect A Minimum Of 75% Of The Critical Protection Zone.

**Diagram Notes**:
- 1/2 x
- 1x
- 2x
- 3x
- 4x
- Spread Of Plants
- Planting Pit 2 Times Width Of Rootball
- Critical Protection Zone: The Area Surrounding & Tree Within A Circle Described By A Radius Of One Foot For Each Inch Of The Tree Trunk Diameter At 54" Above Finished Grade. For Groups Of Trees, Place Barricades Between Trees And Construction Activity.
- Existing Undisturbed Soil
- Existing Soil Backfill
- 1 : 6
- 1 : 2
- 1 : 4
- Horizon Line
- Spacing Per Plans
- Shrub Or Ground Cover Planting
- Existing Soil
- Shrub Or Ground Cover Planting
- Soil Ring For Water Collection
- Spacing Per Plans
- Existing Soil Backfill
- Spacing Per Plans
- Shrub Or Ground Cover Planting
- Horizon Line

**Diagram Symbols**:
- Wood 2 X 4 Posts
- Wood 1 X 4 Stringers, Nail Wood Stringers Securely To Wood Posts.
- Tree Trunk
- Nature - Orange Nylon Or Polypropylene Type Fence
- Security MTS Tie Back To Stringer With Staples Or Nails
- Existing Soil Bed
- Planting Pit 2 Times Width Of Rootball
- Shrub Or Ground Cover Planting
- Maximum Matures Maintained Spread Of Plants
- Spacing Per Plans
- Existing Undisturbed Soil
- Existing Soil Backfill
- Horizon Line
- Spacing Per Plans
- Shrub Or Ground Cover Planting
- Soil Ring For Water Collection