

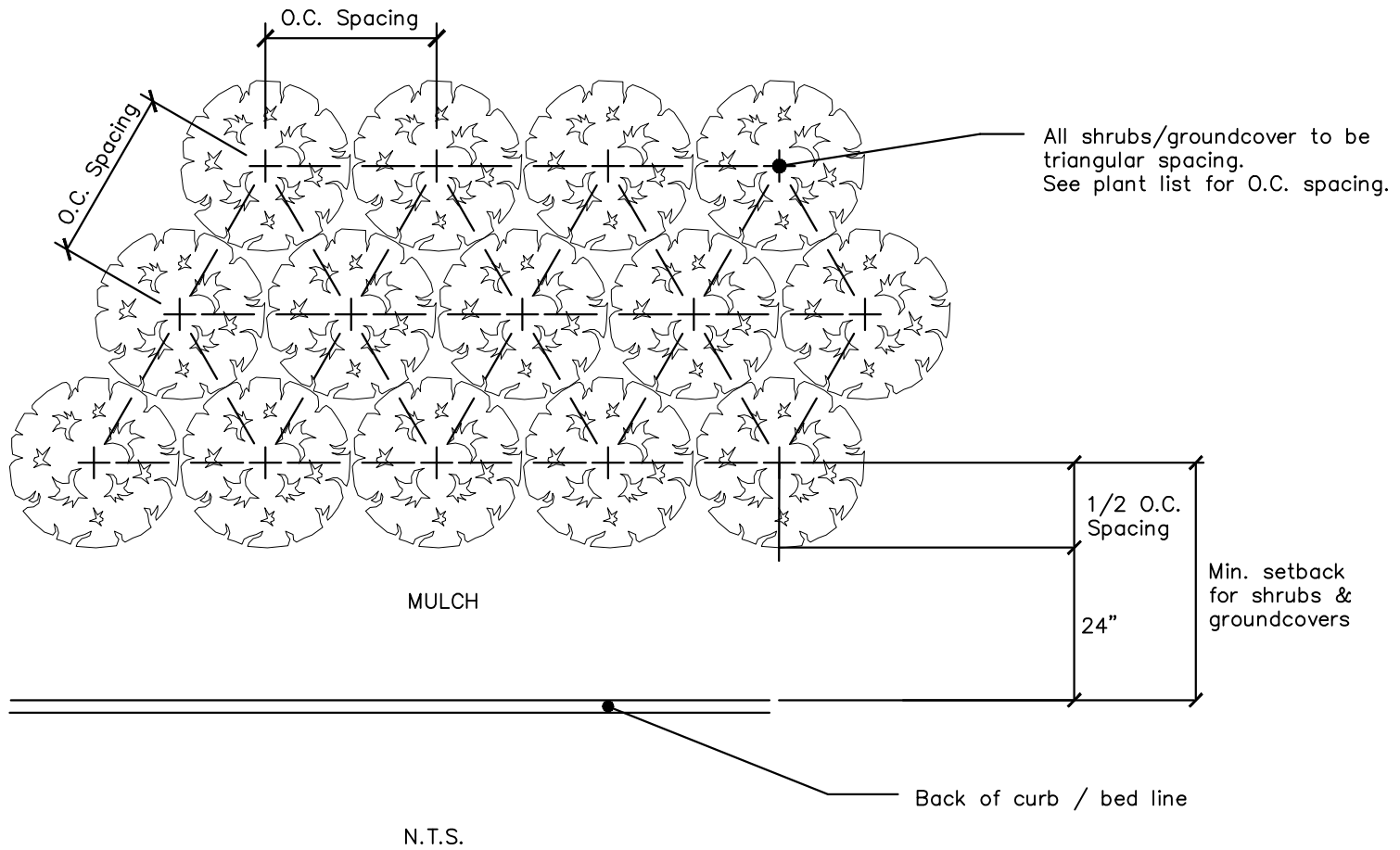
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| 5/17/12 | DEPARTMENT NAME      | TLM |
| 8/5/05  | CHANGED SETBACK      | TMK |
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CITY OF CLEARWATER  
ENGINEERING DEPARTMENT  
LANDSCAPE  
DETAILS

PLANT SPACING DETAIL  
(NO-OFFSET)

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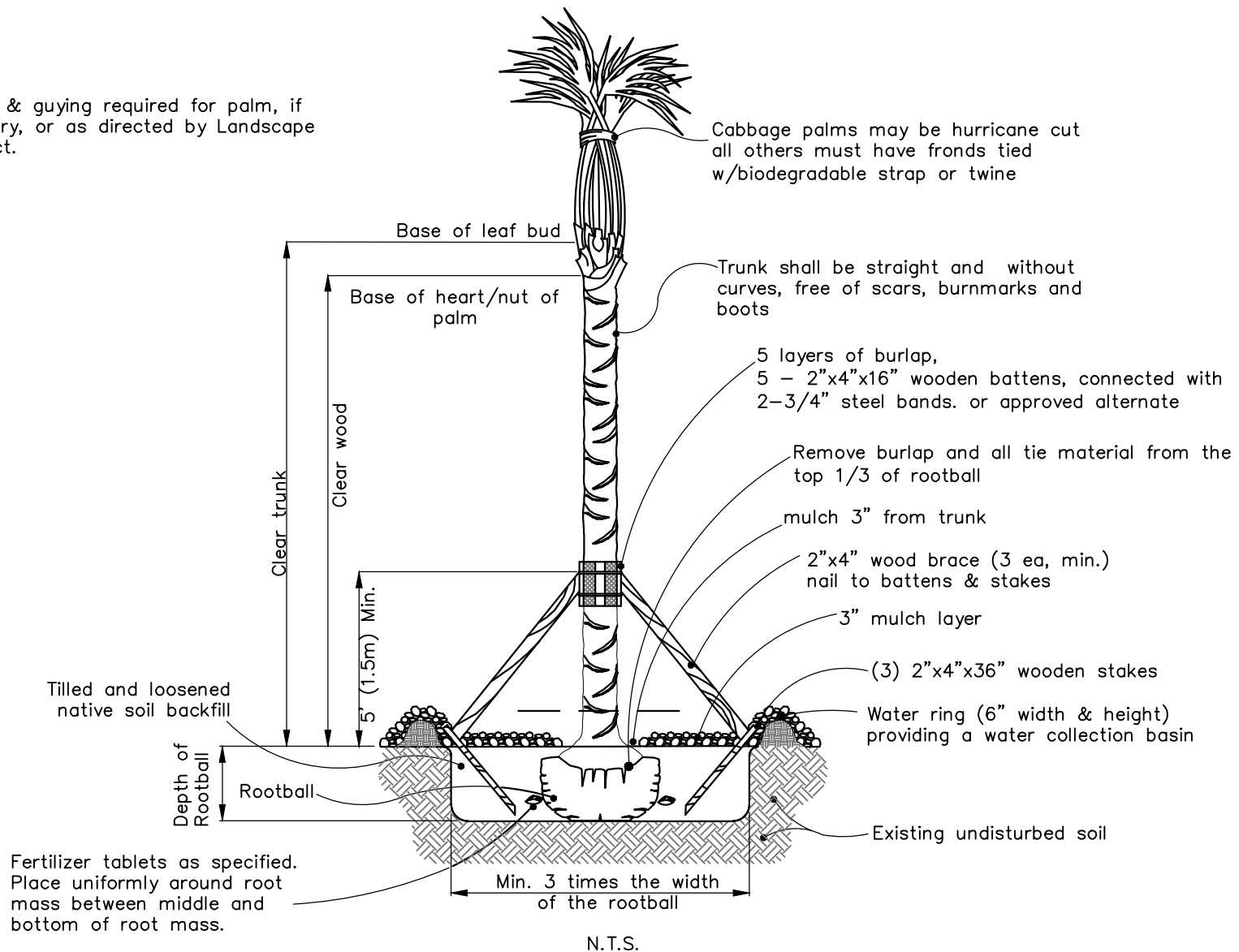
**CITY OF CLEARWATER**  
ENGINEERING DEPARTMENT  
**LANDSCAPE  
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**PLANT SPACING DETAIL  
(24" OFFSET)**

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**NOTE:**

Staking & guying required for palm, if necessary, or as directed by Landscape Architect.

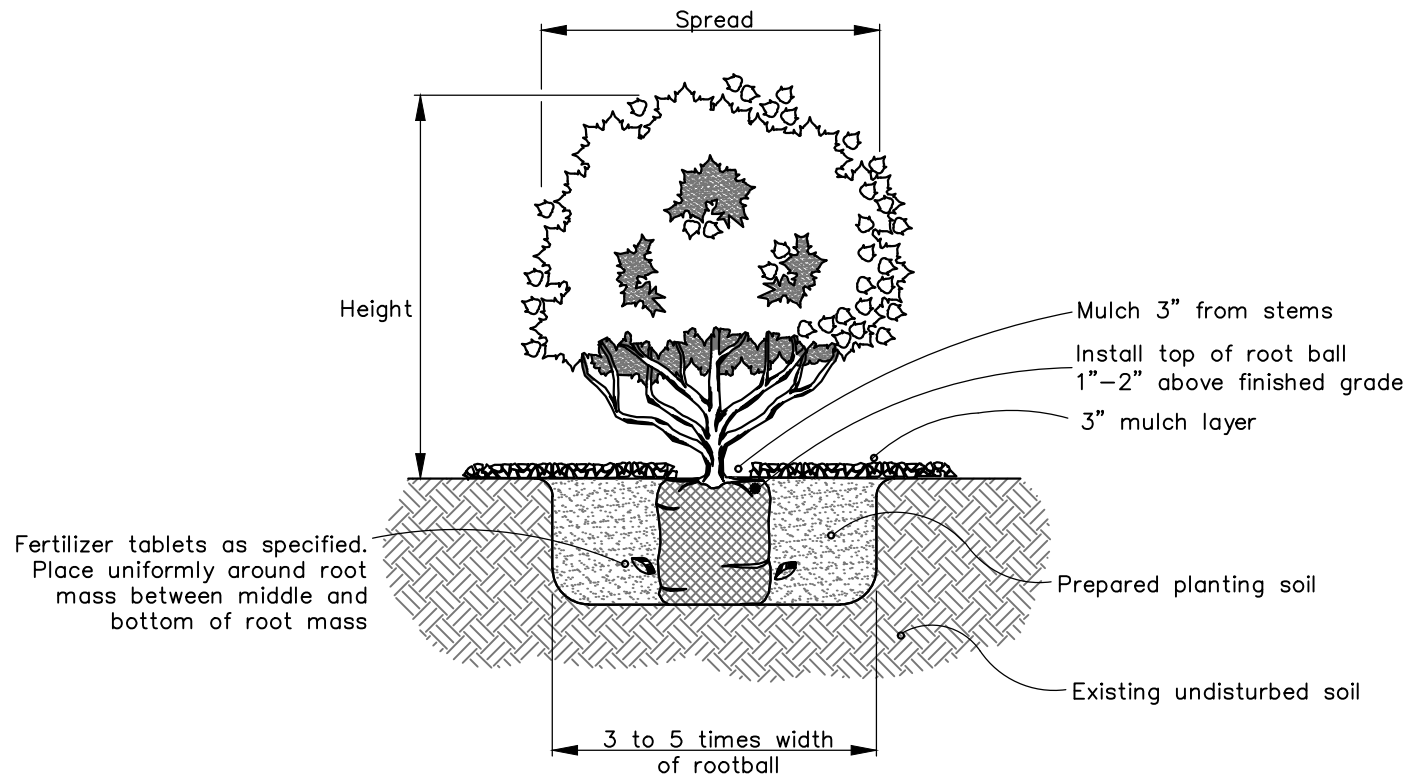


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| 5/17/12 | DEPARTMENT NAME         | TMK |
| 8/06    | ADDITIONS & CORRECTIONS | TMK |
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**PALM PLANTING DETAIL**

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**SHRUB AND GROUNDCOVER  
PLANTING DETAIL**

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## GENERAL LANDSCAPE NOTES

1. The Landscape Contractor shall grade planting beds, as required, to provide positive drainage and promote optimum plant growth.
2. All recommended trees and plant materials will be graded as Nursery Grade No. 1 or better as outlined by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry "Grades and Standards for Nursery Plants", 7th Edition, 1998 as revised from time to time.
3. All planting shall be done in accordance with the Florida Nurserymen's and Grower's Associations approved practices.
4. All plants shall be fertilized with Agriform 20-10-5 tablets as per the manufacturers specifications in conjunction with note # 5.
5. The planting soil shall be the approximate proportions as follows: 50% sand and 50% organic material consisting of native peat, well-decomposed sawdust, leaf mold and top soil. It shall provide a good pliable and thoroughly mixed medium with adequate aeration, drainage and water-holding capacity. It shall also be free of all extraneous debris, such as roots, stones, weeds, etc.
6. All planting areas shall receive a 3" layer of recycled hardwood log mulch, which is to be watered-in after installation.
7. The plant material schedule is presented for the convenience of the Landscape Contractor. In the event of a discrepancy between the plan and the plant key, the plan shall prevail.
8. Plants shall meet size, container, and spacing specifications. Any material not meeting specifications shall be removed and replaced at the contractor's expense.
9. All tree and shrub locations are subject to change. All locations shall be approved by the City Project Manager prior to planting.
10. The Landscape Contractor shall be responsible for examining fully both the site and the bid documents. Discrepancies in the documents or the actual site conditions shall be reported to the City Project Manager in writing at the time of bidding or discovery. No account shall be made after contract completion for failure to report such condition, or for errors on the part of the Landscape Contractor at the time of bidding.
11. The Landscape Contractor shall be responsible for securing all necessary applicable permits and licenses to perform the work set forth in this plan set and the specifications.
12. Plant material shall be bid as specified unless unavailable, at which time the City Project Manager will be notified by telephone and in writing of intended changes.
13. Any and all questions concerning the plan set and/or specifications shall be directed to the City Project Manager at (727) 562-4737.
14. There shall be no additions, deletions or substitutions without the written approval of the City Project Manager.
15. The Landscape Contractor shall guarantee, in writing, plant survivability for a period of twelve (12) months from final acceptance by the City Project Manager.
16. All dimensions to be field-checked by the Landscape Contractor prior to landscape material installation. Discrepancies shall be reported immediately to the City Project Manager.
17. All materials must be as specified on the landscape plan. If materials or labor do not adhere to specifications, they will be rejected by the City Project Manager with proper installation carried out by Landscape Contractor at no additional cost.
18. All permits necessary are to be provided by the installing contractor unless otherwise specifically stated in the specifications.
19. No contractor identification signs shall be permitted on the project, except for the project information signs.
20. Existing sod shall be removed as necessary to accomodate new plantings.
21. Any existing sod areas that are unnecessarily disturbed during the landscape installation shall be resodded to match existing.
22. The Landscape Contractor will be responsible for the collection, removal, and proper disposal of any and all debris generated during the installation of this project.

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**GENERAL LANDSCAPING  
NOTES**

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### IRRIGATION NOTES

1. A low volume irrigation system, that provides 100% coverage of all plantings and sod, will be designed and installed by contractor.
2. The proposed irrigation system must meet or exceed all applicable City code requirements (ie., Back Flow Prevention, Automatic Rain Shutoff Device, etc...)
3. Contractor must coordinate location and size of irrigation water meter with the City Project Manager.
4. Contractor must coordinate the placement and power supply for the irrigation control timer with the City Project Manager.
5. The proposed irrigation system must use irrigation components from the Parks & Recreation Department's most current approved products list, available from the City Project Manager.
6. The proposed irrigation system must be designed in compliance with the Parks & Recreation Department's Irrigation System Design guidelines, available from the City Project Manager.
7. Irrigation Shop Drawings must be prepared and submitted for approval by the City Project Manager prior to commencement of work.
8. The irrigation system must be inspected and accepted by the City Project Manager prior to backfilling trenches or installation of mulch.
9. Irrigation As-Built drawings, which accurately and clearly identify any and all modifications and/or substitutions, must be submitted to the City Project Manager prior to final inspection and acceptance.

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IRRIGATION NOTES

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## FERTILIZATION NOTES

### SHRUBS AND TREES

All trees and shrubs shall be fertilized with "Agriform" 20-15-5 planting tablets at time of installation and prior to completion of pit backfilling. Tablets shall be placed uniformly around the root mass at a depth that is between the middle and bottom of the root mass.

#### APPLICATION RATE:

|               |  |
|---------------|--|
| 1 Gallon can: | 1 - 21 gram tablet                       |
| 3 Gallon can: | 2 - 21 gram tablets                      |
| 5 Gallon can: | 3 - 21 gram tablets                      |
| 7 Gallon can: | 4 - 21 gram tablets                      |
| Trees:        | 3 - 21 gram tablets each 1/2" of caliper |
| Palms:        | 7 - 21 gram tablets                      |

### GROUNDCOVER AREAS

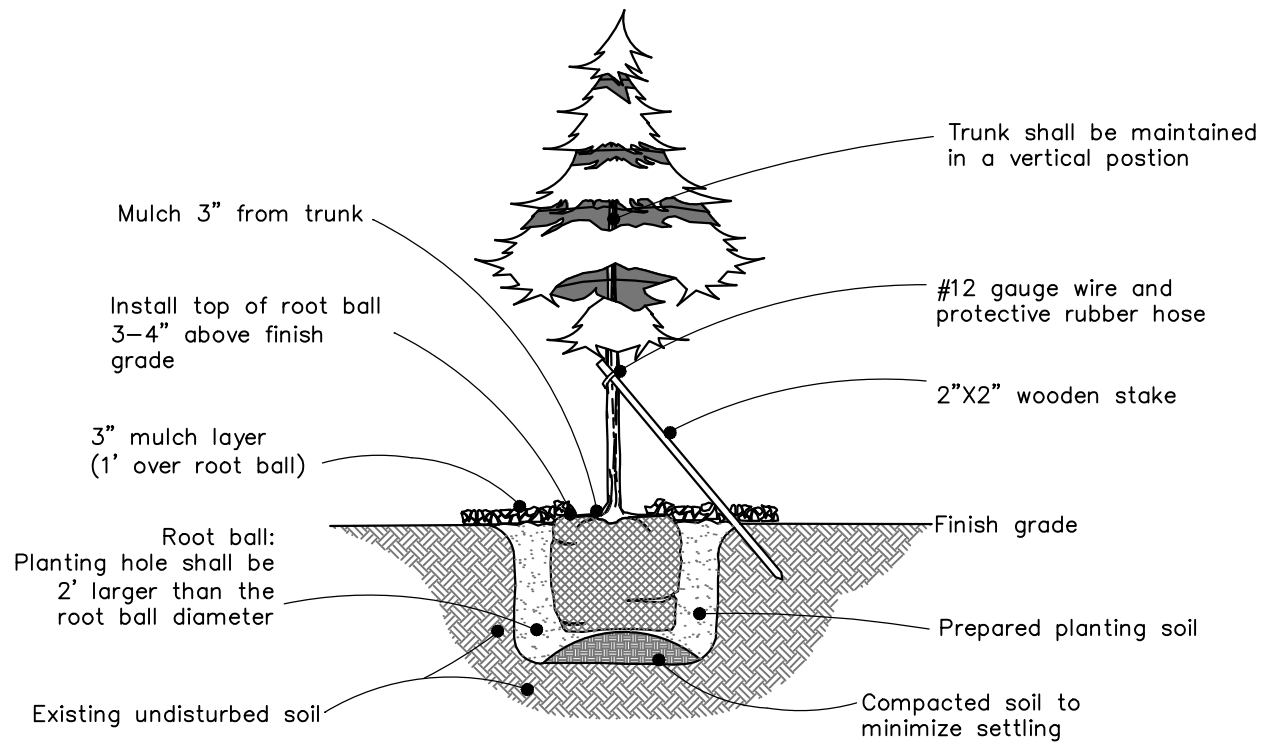
All groundcover areas shall receive fertilization with "Ozmocote" time release fertilizer as per manufacturer's specifications.

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## FERTILIZATION NOTES

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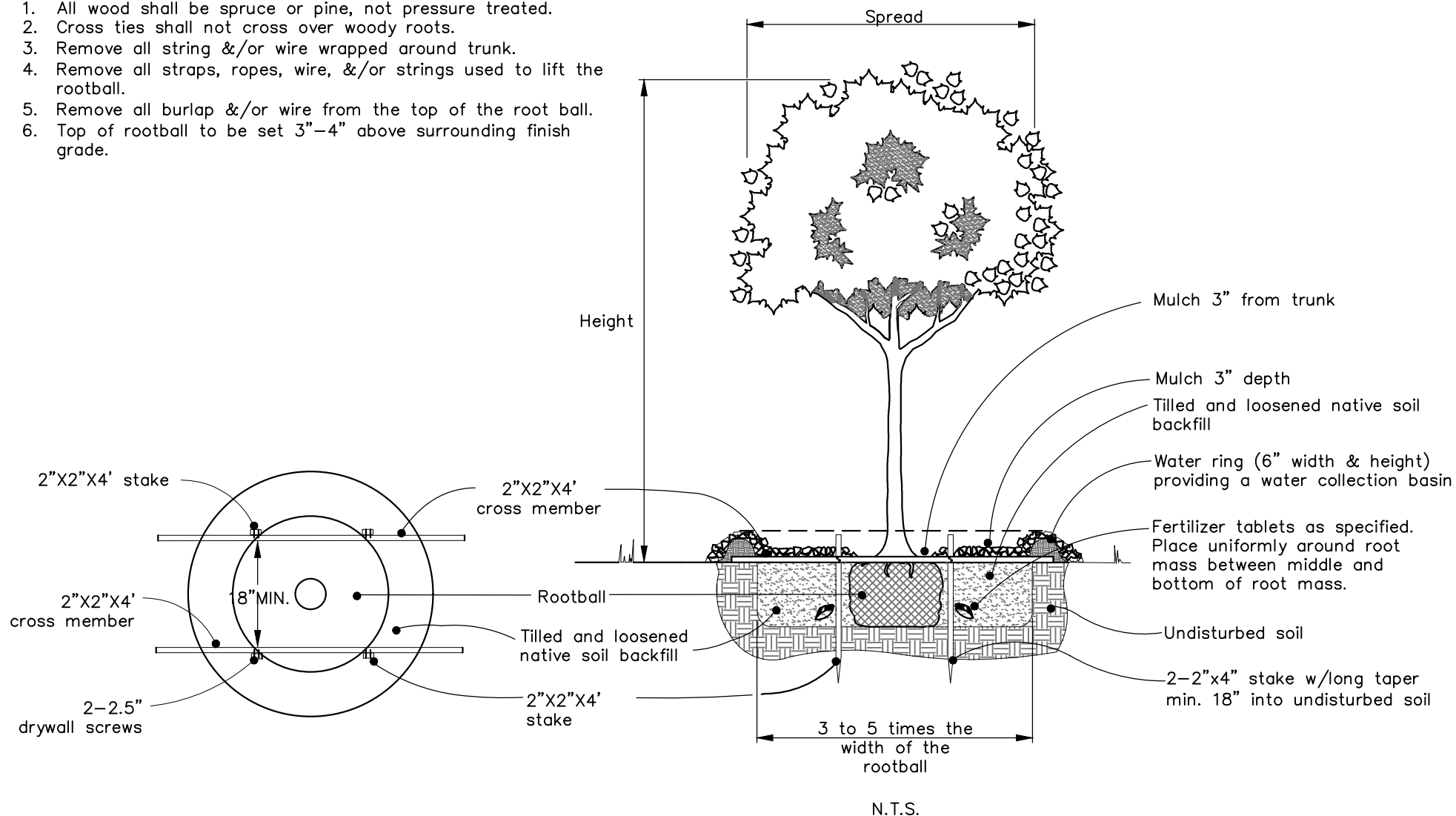
## PINE TREE PLANTING DETAIL

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NOTES:

1. All wood shall be spruce or pine, not pressure treated.
2. Cross ties shall not cross over woody roots.
3. Remove all string &/or wire wrapped around trunk.
4. Remove all straps, ropes, wire, &/or strings used to lift the rootball.
5. Remove all burlap &/or wire from the top of the root ball.
6. Top of rootball to be set 3"-4" above surrounding finish grade.



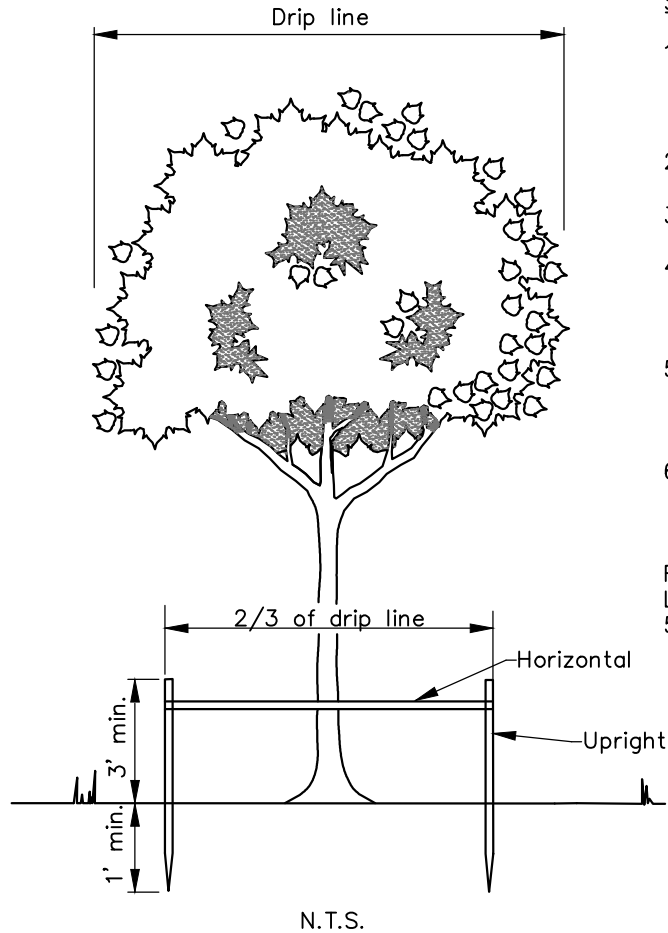
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| 8/06 | ADDITIONS & CORRECTIN | TMK |
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TREE PLANTING DETAIL

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## HARDWOODS

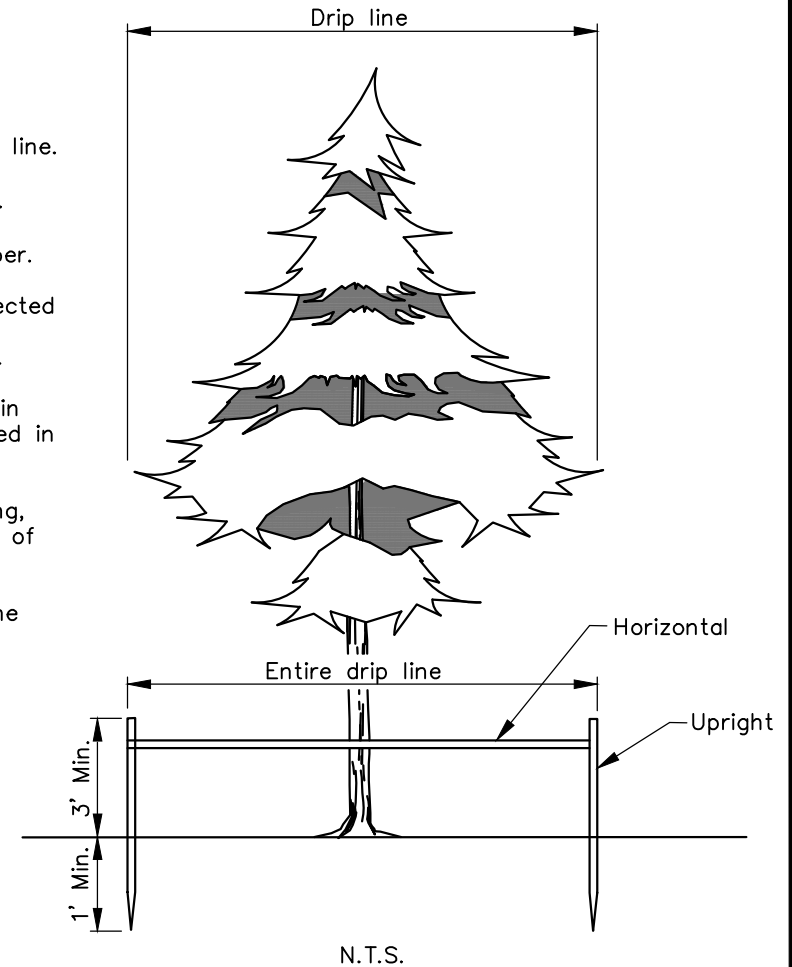


## SPECIFICATIONS – WOOD BARRIER

1. Minimum radius to be protected:
  - A. Hardwoods –  $\frac{2}{3}$  drip line
  - B. Conifers & Sabal Palms – Entire drip line.
2. Uprights – No less than 2" X 2" lumber.
3. Horizontals – No less than 1" X 4" lumber.
4. Barriers shall be erected around all protected trees and palms, and inspected by city representative before construction begins.
5. Upright posts are to be at least 4 feet in length with a minimum of 1 foot anchored in ground and 3 feet above ground.
6. Barriers to remain in place until all paving, construction and heavy equipment is out of area.

Further information may be obtained from the Land Resource Specialists at 562-4575 and 562-4558.

## PINES



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| 10/22/18 | PHONE NUMBERS        | JS  |
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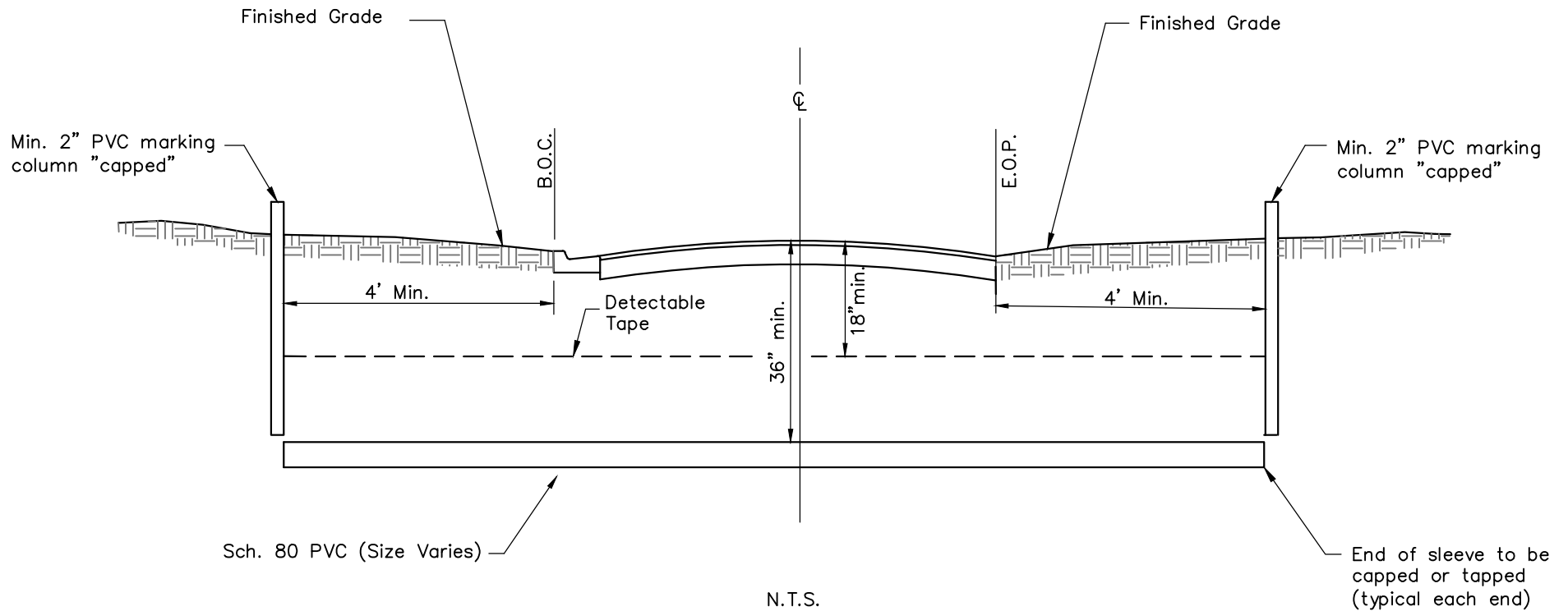
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## TREE BARRICADES

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## STREET WITH CURB

## STREET WITHOUT CURB



NOTE:  
2" PVC marking columns to be set 12" above  
existing grade at each end of PVC sleeves.

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**TYPICAL IRRIGATION SLEEVE**

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