

# The District

McNeil Road  
 City of Fort Pierce, Florida

City Project Number:

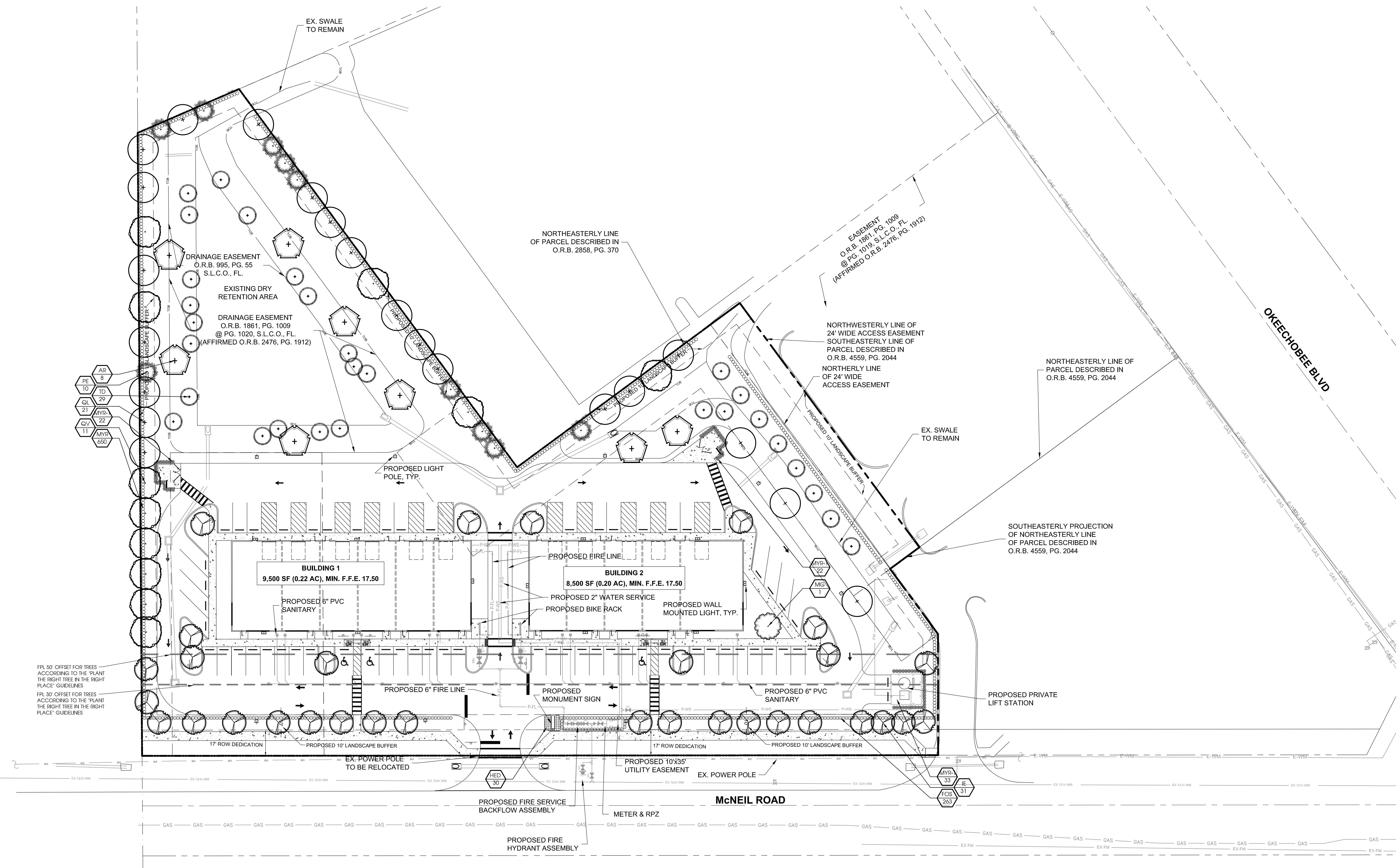
Jeffrey W. Smith, RLA  
 Florida Registration Number:  
 LA 0001635

Job No. 24-0801  
 Drawn By JWS  
 Submittal Dates 8-14-2024  
 10-1-2024

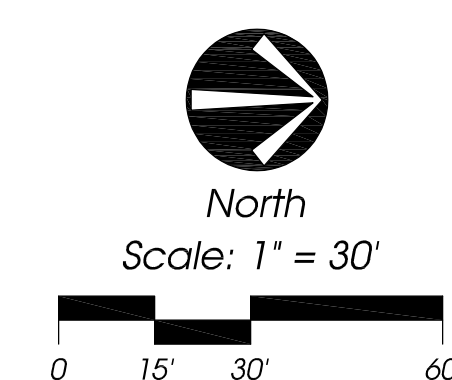
Revision Dates  
 New Base 10-1-2024

These drawings are the property of the landscape architect and are not to be used for other projects except by written permission from the landscape architect. Report any discrepancies immediately to the landscape architect.

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# Landscape Plan



# Landscape Specifications

- All tree and plant material to be Florida No. 1 or better, as classified in "Grades and Standards for Nursery Plants", Part I and Part II, State of Florida, Dept. of Agriculture, Tallahassee. All plants not listed in "Grades and Standards for Nursery Plants" shall conform to a Florida No. 1 as to: (1) health and vitality, (2) condition of foliage, (3) root system, (4) freedom from pest or mechanical damage, (5) heavily branched and densely foliated according to the accepted normal shape of the species.
- Understanding or substitution of one species or cultivar for another species is a breach of contract and will be "Rejected" at the time of final landscape inspection unless approved by Landscape Architect.
- Project Warranty: All plant material shall be warranted for a period of one (1) year after date of substantial completion against defects, including death and unsatisfactory growth, except for defects resulting from abuse or damage by others or unusual phenomena or incidents which are beyond the contractor's control.
- Any and all conditions which the contractor feels will be detrimental to the success of the planting shall be brought to the owner or representative's attention.
- The contractor shall verify the location of underground utilities prior to commencing work on any project area.
- Match planting areas with 3" layer of Melaleuca, Eucalyptus, or Ewinomuch. Cypress Mutch is **NOT ACCEPTABLE**. Planting beds to receive mutch throughout entire bed area.
- All plants to be set to ultimate grade. No filling will be permitted around trunks or stems. Mutch to be kept a minimum of 2' away from trunks and stems.
- Planting trees and shrubs: Excavate hole per planting detail. When plant is set, place additional backfill consisting of a 50% mixture of Peat humus and natural soil around the base and sides of ball, and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately 2/3 full, water thoroughly before placing remainder of backfill. Water again after placing final layer of backfill and before installing mulch.
- Guy and stake trees in 3 directions with galvanized wire, through flexible hose chaffing guards, with wooden stake anchors immediately after planting. (See Detail)
- Trees and shrubs shall be fertilized with a complete natural organic fertilizer with a ratio of approximately 3:0:2 or 3:0:3 (e.g., one labeled 12-0-8). Similar analysis such as 16-0-8 (4:0:2) can also be used. Fertilizers that are slow release, controlled release, sulphur coated or with nitrogen as IBDU or ureaformaldehyde have extended release period. Thirty to fifty percent of the nitrogen should be water insoluble or slow release.

Palms should receive a complete granular fertilizer formulated for palms ("Palm Special") at a rate of 5 to 8 lbs. per palm.

Agriform 20-0-5 twenty-one gram planting tablets may be substituted for granular fertilizer. If utilized, the following rates shall be utilized: Position plant in hole. Backfill halfway up the rootball. Place tablet(s) beside rootball about 1" from root tips. Do not place tablet(s) in bottom of hole.

- 1 Gallon 1 Tablet
- 3 Gallon 2 Tablets
- 25 Gallon & B&B Trees 2 per 1" calliper

- All planting areas and sod to be irrigated to provide 100% coverage. Shop drawings to be submitted by the irrigation contractor for approval prior to installation.
- Maintain trees, shrubs, and other plants by watering, cultivating, and weeding as required for healthy growth. Restore planting saucers and mulch. Tighten and repair stake and guying and reset trees and shrubs to proper grade or vertical position as required. Spray as necessary to keep trees and shrubs free of insects and disease. The contractor shall begin maintenance immediately after planting and shall continue maintenance through final acceptance when Certificate of Occupancy is issued to the General Contractor by City and project is released by the General Contractor to Client.
- Prune trees and shrubs to damaged branches as directed by the Landscape Architect.
- Planting Lawns: Provide clean, strongly rooted, uniformly sized strips of Stenotaphrum secundatum Florim (unless otherwise noted), machine stripped not more than 24 hours prior to laying. Grade and roll prepared lawn surface. Water thoroughly but not to create muddy soil conditions. Lay sod strips with tight joints, roll or tamp lightly, and water thoroughly.
- Maintain positive drainage, no planting is to block drainage.
- Drainage Testing
  - Prior to planting of trees, palms, and specimen material, each planting pit shall be tested in the following manner to verify adequate drainage.
    - Dig each planting pit to the minimum specified size.
    - Fill the planting pit with (12") twelve inches of water. If the water level in the planting pit drops (4") four or more inches within (4) four hours, the drainage is sufficient and a drainage channel is not required. If the water level drops less than (4") four inches within the (4) four hour period, then a drainage channel is required.
    - When a drainage channel is required, the drainage channel must extend down through the non porous soil and into porous soil. (See Drainage Testing Detail)
    - Discard all material removed from the drainage channel.
    - When backfilling the planting pit, add course gravel to the drainage channel. Also, care must be taken to keep the consistency of the soil mix the same throughout the planting pit.

- NOTES:
- Contractor to include drainage testing for all trees and palms in bid. If drainage is inadequate, the soil specification in item #8 above shall be revised for site conditions. Contractor shall notify the Owner and Landscape Architect of poor drainage conditions in writing and written direction will be provided to the contractor of appropriate soil mixture specification to be used.
  - All fertilizers shall meet the City of Fort Pierce's and St. Lucie County's fertilizer ordinances.

## Plant List

QTY	SYM	SPECIES	COMMON NAME/DESCRIPTION	SIZE	SPACING	REMARKS
<b>CANOPY / ORNAMENTAL TREES</b>						
8	AR*	ACER RUBRUM	RED MAPLE	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 5' C.T. MIN.
31	IE*	ILEX x ATTENUATA 'EAGLESTON'	EAGLESTON HOLLY	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 5' C.T. MIN.
1	MG*	MAGNOLIA GRANDIFLORA	D D BLANCHARD MAGNOLIA	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 2.5' C.T. MIN.
10	PE*	PINUS ELLIOTTI	SLASH PINE	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 5' C.T. MIN.
21	OL*	QUERCUS LAURIFOLIA	LAUREL OAK	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 5' C.T. MIN.
11	QV*	QUERCUS VIRGINIANA	LIVE OAK	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 5' C.T. MIN.
29	TD*	TAXODIUM DISTICHUM	BALD CYPRESS	12' x 5', 2.5" D.B.H.	A.S.	FULL CANOPY, 5' C.T. MIN.

<b>SHRUBS</b>						
263	FOS*	FORESTIERA SEGREGATA	FLORIDA PRIVET	2' x 2'	2' O.C.	FULL & THICK
650	MYR*	MYRICANTHES FRAGRANS	SIMPSON STOPPER	2' x 2'	2' O.C.	FULL & THICK
77	MYR-1*	MYRICANTHES FRAGRANS	SIMPSON STOPPER	4' x 2'	2' O.C.	FULL & THICK
<b>GROUNDCOVERS</b>						
30	HED*	HELIANTHUS DEBILIS	BEACH SUNFLOWER	1 GALLON	2' O.C.	FULL & THICK
	SOD-1	PASPALUM NOTATUM	BAHIA SOD			FULL & THICK
* = Florida Native						
NOTE: D.B.H. IS MEASURED 4.5' ABOVE GRADE						

NOTE: ALL AREAS NOT MULCHED FOR INDIVIDUAL PLANT MATERIALS AND PLANTING BEDS SHALL BE SODDED. NO EXPOSED SOIL AREAS SHALL REMAIN ON SITE. THIS INCLUDES ALL OPEN AREAS, LAKE BANKS, DRY RETENTION AREAS, DRY DETENTION AREAS, AND ANY OTHER AREAS NOT COVERED BY IMPERVIOUS MATERIALS OR PLANTING MATERIALS.

## Landscape Data

### Landscaping Adjacent to R.O.W., (East Buffer) 52'

Trees Required = 10' Wide Landscape Strip with 1 Tree/300 s.f.  
550 l.f. x 10' = 5,250 s.f. / 300 = 18 Trees  
Provided = 18 Trees

Shrubs Required = Continuous Hedge @ 2' o.c.  
550 l.f. / 2' o.c. = 283 Shrubs  
Provided = 263 Shrubs

### Landscaping to Adjacent Property (North, South & West Buffer) 1,300'

Trees Required = 10' Wide Landscape Strip with 1 Tree/200 s.f.  
1,300 l.f. x 10' = 13,000 s.f. / 200 = 65 Trees  
Provided = 65 Trees

Shrubs Required = Continuous Hedge @ 2' o.c.  
1,300 l.f. / 2' o.c. = 650 Shrubs  
Provided = 650 Shrubs

### Interior Vehicular Use Area

Required = 1 s.f. of interior landscaping per 15 s.f. of vehicular use area (42,260 s.f./15 = 2,818 s.f.)  
Landscape Area Provided = 2,911 s.f.  
Trees Required = 1 Tree/100 s.f. of interior landscape area  
42,260 s.f./100 = 2,818 s.f. / 100 = 28 Trees  
Trees Provided = 28

### Maximum Use of Palm Trees

Sec. 22-187(1)(c)  
Required = Fifty (50) percent of the required trees shall be species other than palm trees  
Total Trees Required = 111 Trees  
Maximum Palms Allowed = 54 (111 / 2 = 54)  
Total Palms Provided = 0 (0%)

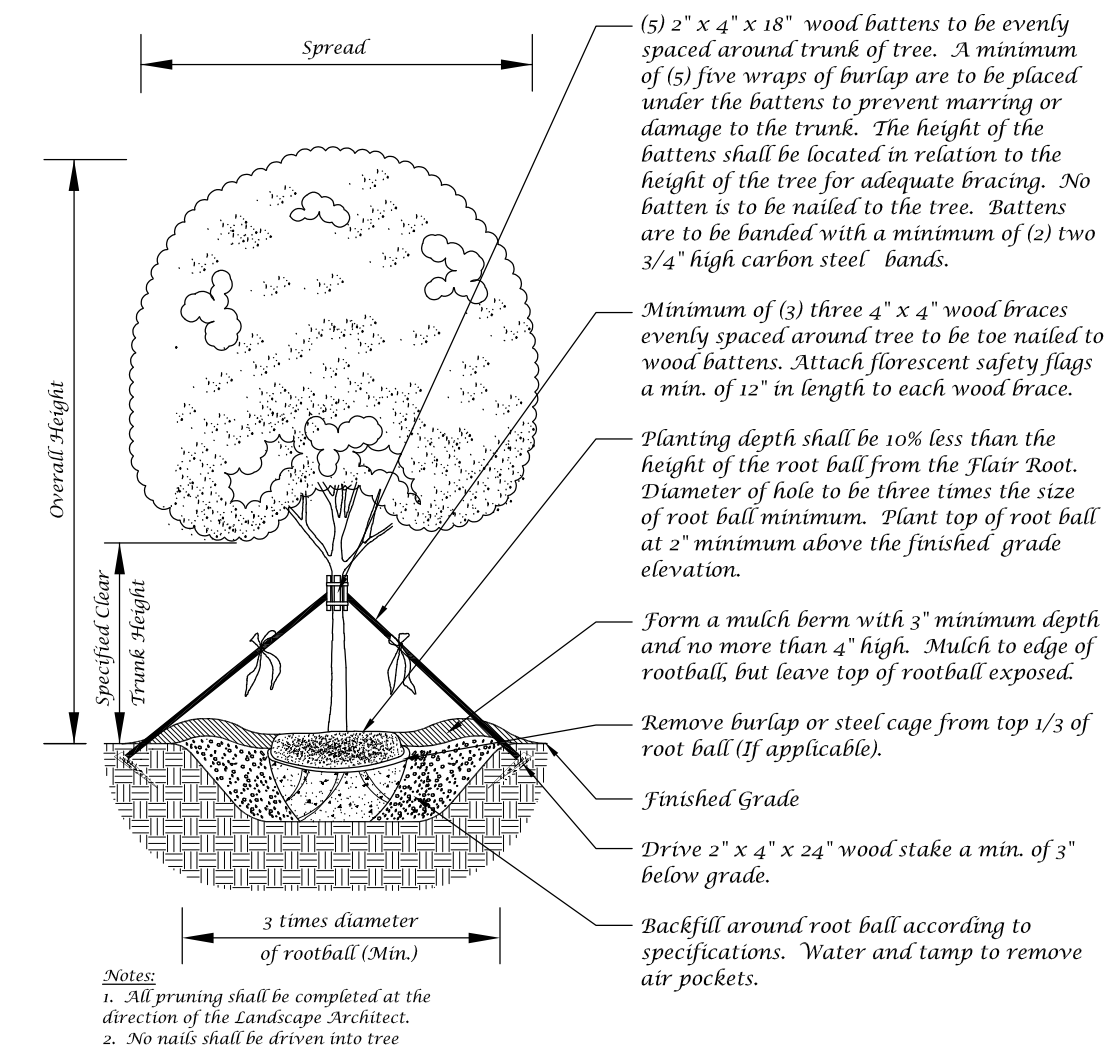
Total Trees Required = 111 Trees  
Total Trees Provided = 111 Trees

Total Trees Required = 111 Trees  
Total Native Trees Provided = 111 (100%)

Total Palms Required = 0  
Total Native Palms Provided = 0 (0%)

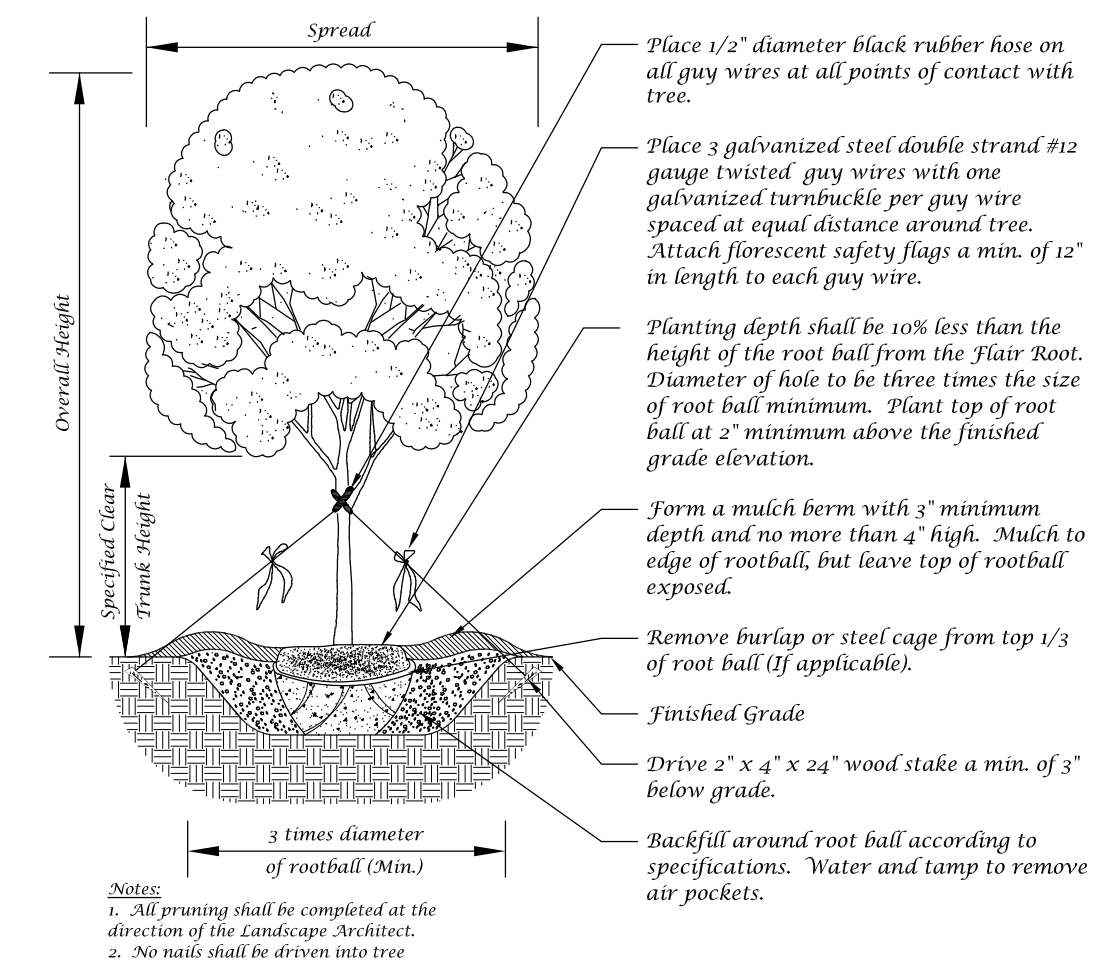
Total Shrubs Required = 990  
Total Native Shrubs Provided = 990 (100%)

# Landscape Details



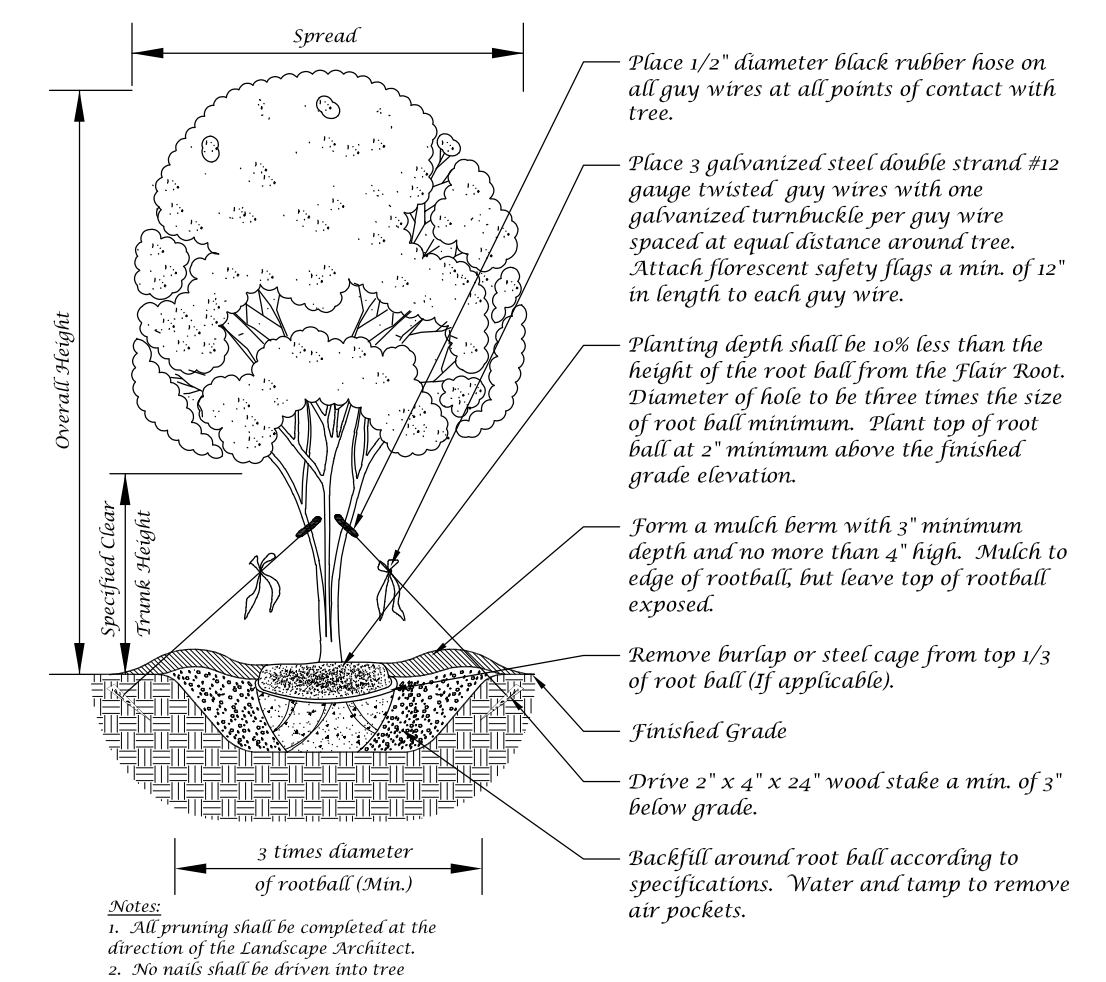
## Large Tree Planting Detail (5" Caliper or Greater)

Not to Scale



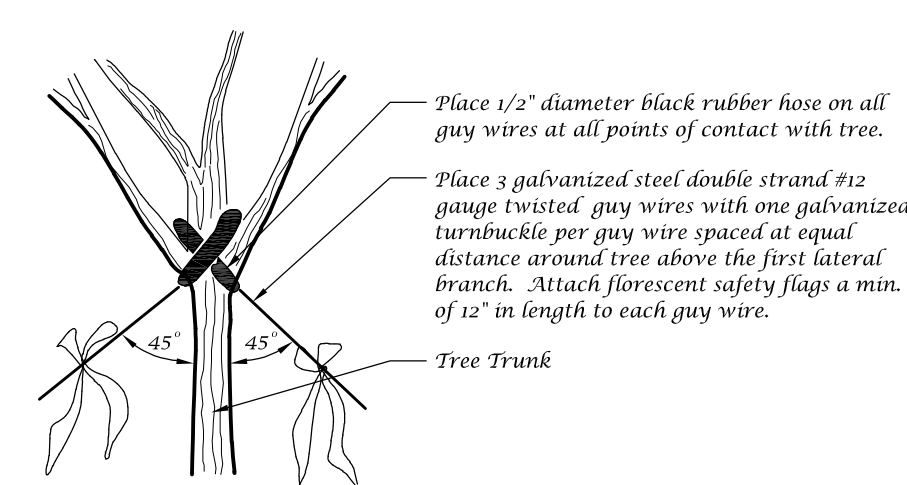
## Tree Planting Detail

Not to Scale



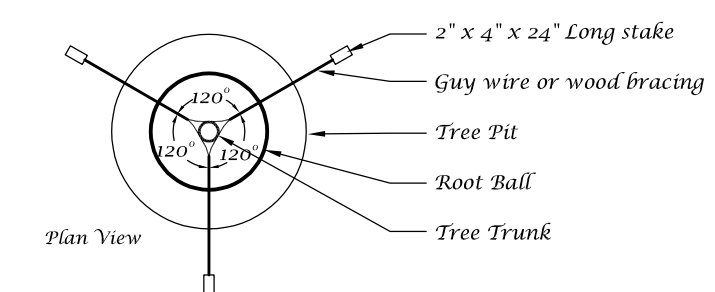
## Multi-Trunk Tree Planting Detail

Not to Scale



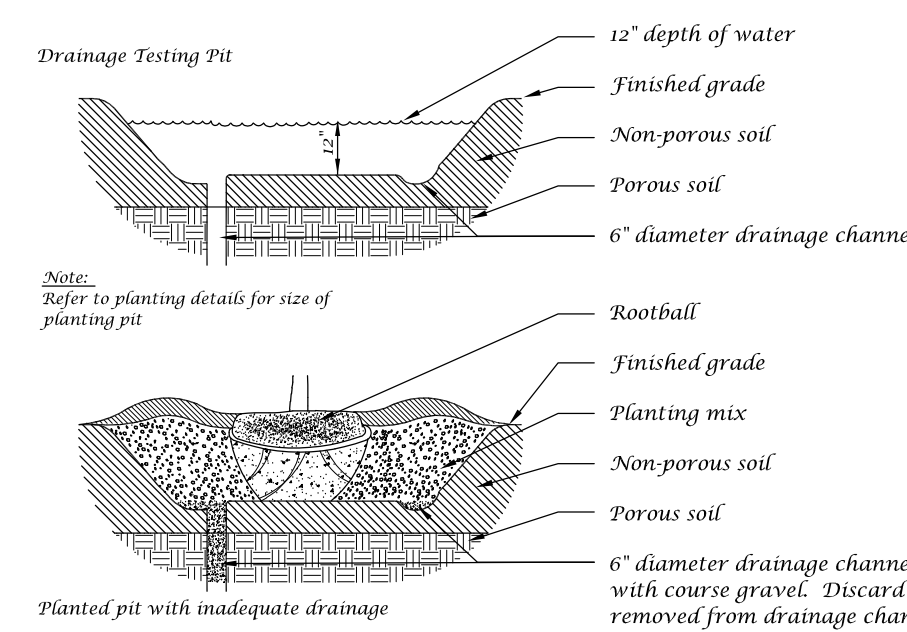
## Guy Wire Attachment Detail

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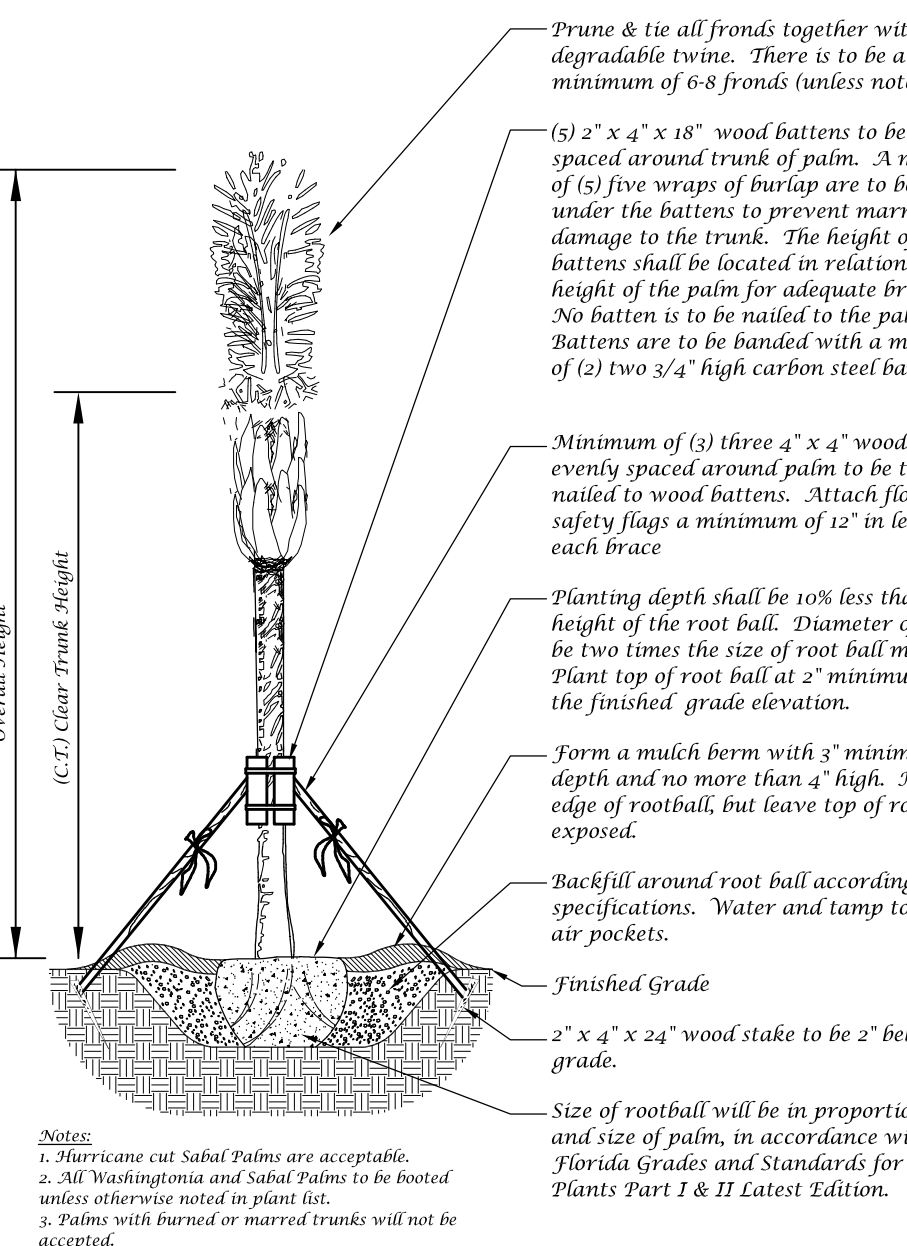
## Staking Detail

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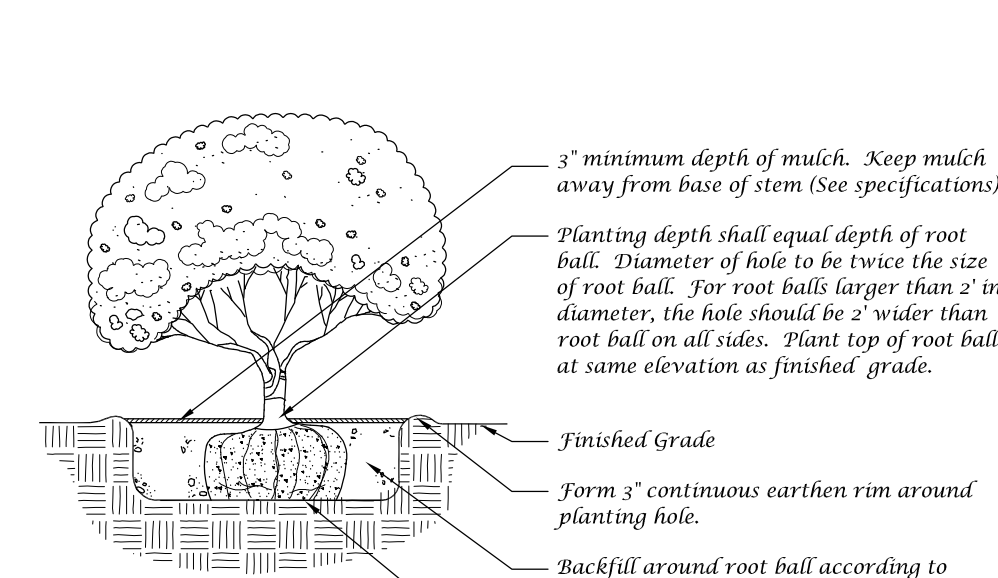
## Drainage Testing Detail

Not to Scale



## Palm Planting Detail

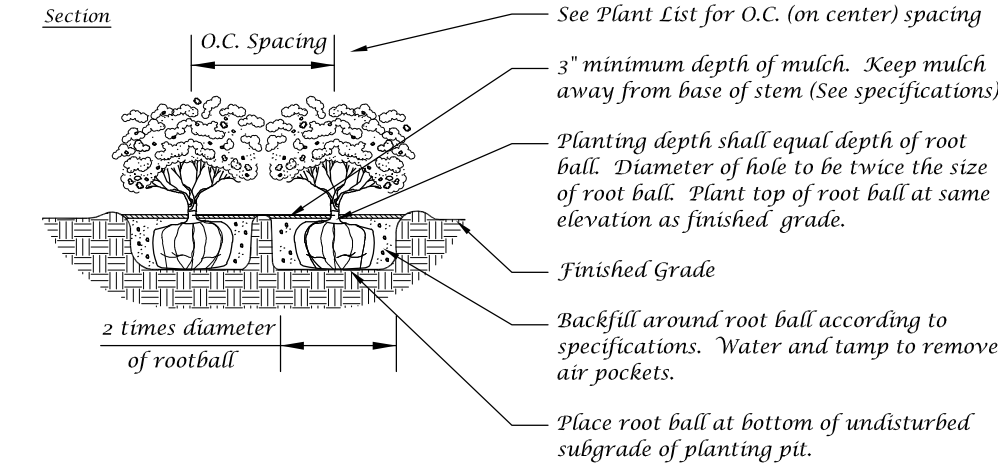
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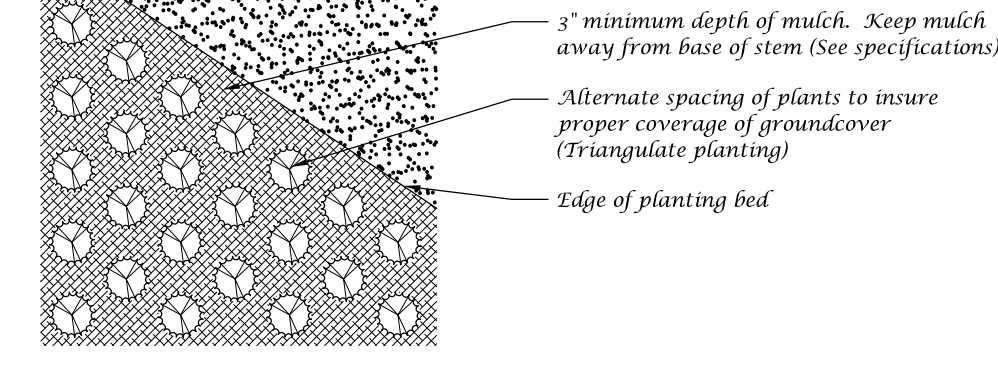
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## Shrub Detail

Not to Scale

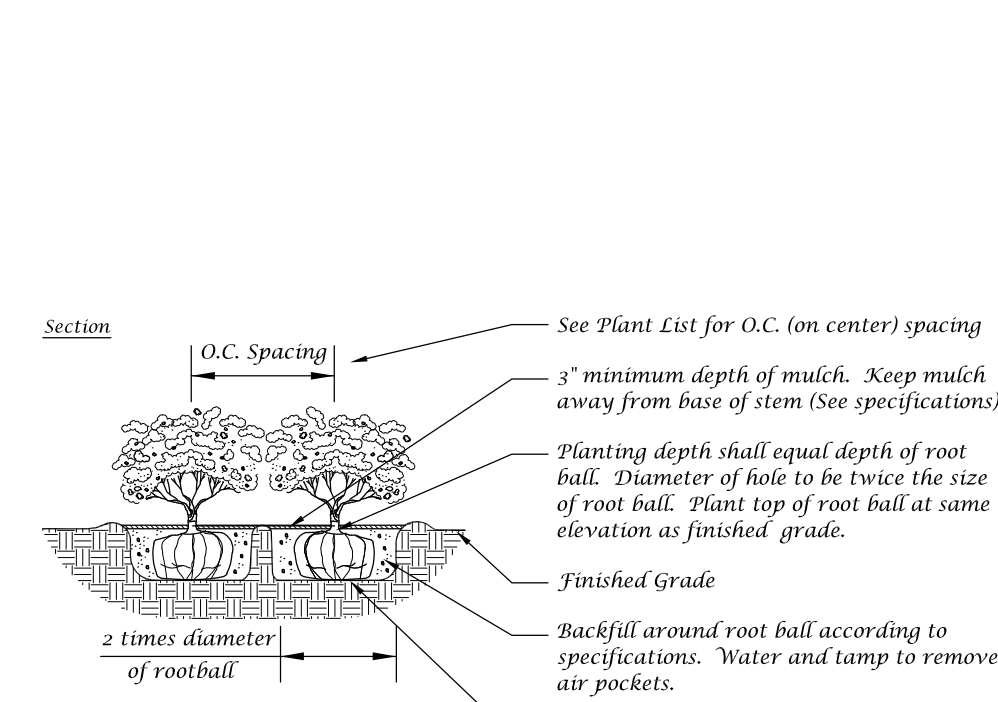


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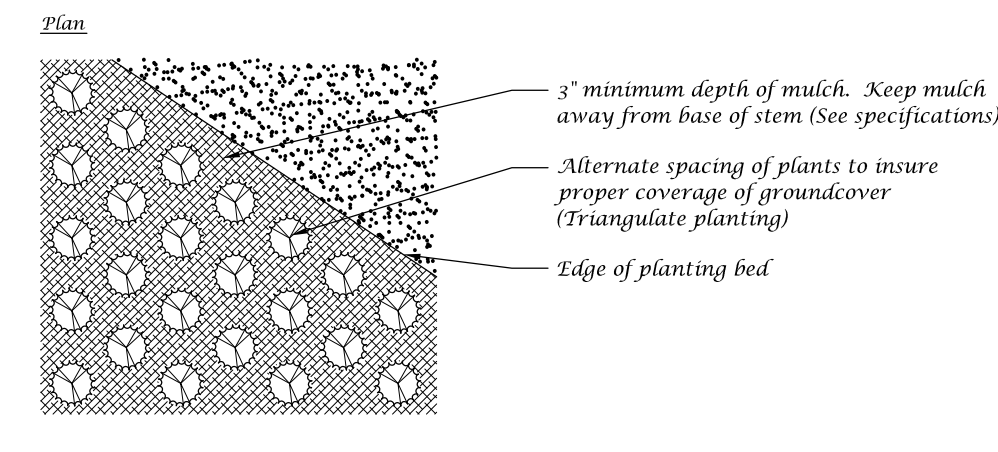


## Ground Cover Detail

Not to Scale



Not to Scale



## Ground Cover Detail

Not to Scale

**Conceptual Design Group, Inc.**  
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LC: 20000198

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