

Port St. Lucie Utility Systems Department Notes

1. No landscaping shall be planted in a manner that would adversely affect utility easements. Landscaping shall be in compliance with Chapter 154 of the City of Port St. Lucie Code of Ordinances, PSLUSD technical

2. All landscaping within City utility easements shall comply with PSLUSD technical specifications, policies, and codes.

3. All landscaping shall meet the latest PSLUSD Landscape Policy and shall not be placed in a manner that would create conflicts with the intended operation and maintenance of any existing utility. 4. Trees shall not be planted within ten (10) feet of any PSLUSD underground infrastructure.
5. No landscaping other than sod grasses shall be located within 5' of a PSLUSD appurtenance such as a water meter assembly, backflow device, fire hydrant or sewer cleanout, etc.

Port St. Lucie Engineering Department Notes

1. The landscape plans meet the City's sight distance and clear zone requirements from Section 158.204 of the Code for 10' requirements.

General Notes

- 1. No plant substitutions can be made without the City of Port St. Lucie's approval. 2. All required landscape improvements must be inspected and approved by the City of Port St. Lucie prior to the issuance of a Certificate of Occupancy.
- 3. Any existing landscaping, sod, or irrigation damaged or destroyed during the construction shall be replaced prior to the final inspection.
- 4. All prohibited, exotic and invasive species shall be removed from the entire site prior to issuance of certificate of occupancy. 5. Planting adjacent to fire hydrants is to have a minimum clear radius of 7.5' as required by the NFPA Uniform Fire Code Florida Edition 18.3.4.1 Hydrants. All fire hydrants and fire check valves shall have a minimum of 7.5' from the front and sides with 4' from the rear to all landscape material per the Florida Fire Prevention Code.

Landscape Plan



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

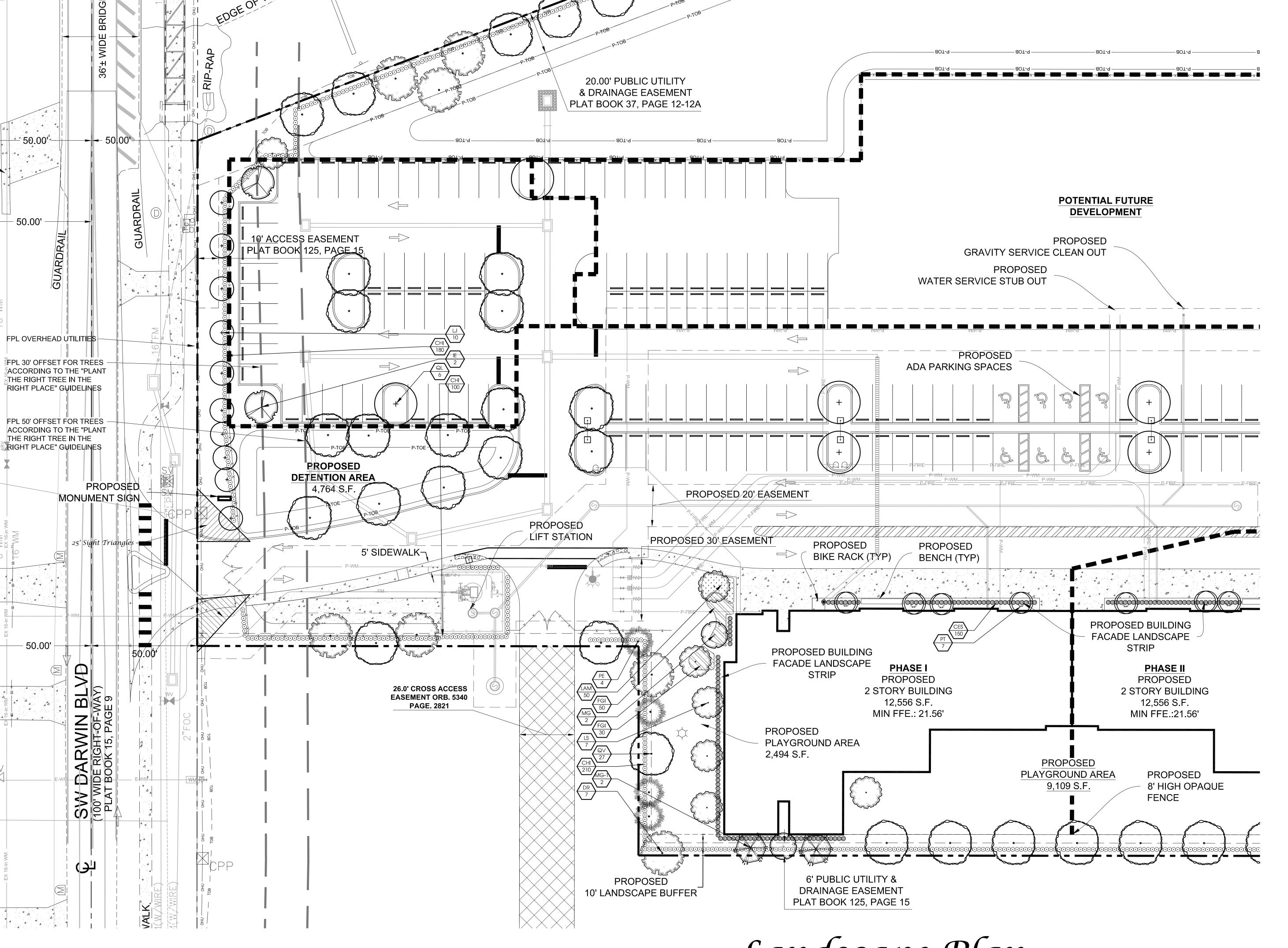
Job No	25-0103
Drawn By	JWS
Submittal Dates	7-15-2025
	9-2-2025
	9-10-2025
Revision Dates	

New Base 9-10-2025 City Comments

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PSLUSD #5000-29

Scale: 1" = 40'



Conceptual

Design

Group, Inc.

Landscape Architecture - Site Planning

900 East Ocean Boulevard, Suite 130d
Stuart, Florida 34994
(772) 344-2340
LA: 0001635

Darwin Autism Charter School

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

Job No. _______ 25-0103

Drawn By ______ JWS

Submittal Dates ______ 7-15-2025

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Revision Dates

New Base
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Scale: 1" = 20'

Sheet L-2 of Stry Project Numbers: P 25-020

Landscape Plan

Conceptual Design Group. Inc. Landscape Architecture - Site Planning

900 East Ocean Boulevard, Suite 130d Stuart, Florida 34994 (772) 344-2340 LA: 0001635

School Darwin

Jeffrey W. Smith, RLA

Florida Registr LA 00	ration Number: 01635
Job No	25-010
Drawn By	JW
Submittal Dates	7-15-202
	9-2-202

9-10-2025 Revision Dates_ 9-2-2025 New Base

9-10-2025 City Comments

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PSLUSD #5000-29

L-3_{of} 5 City Project Numbers: P 25-020

Plant List

SOD STENOTAPHRUM SECUNDATUS

* = FLORIDA NATIVE

_	QTY CANOPY	SYM / ORNAME	SPECIES ENTAL TREES	COMMON NAME/DESCRIPTION	SIZE	SPACING	REMARKS	DROUGHT TOLERANCE
	13	DR	DELONIX REGIA	ROYAL POINCIANA	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
	2	IE*	ILEX x ATTENUATA 'EAGLESTON'	EAGLESTON HOLLY	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
$\overline{\bullet}$	10	LJ	LIGUSTRUM JAPONICUM	LIGUSTRUM TREE FORM	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
	9	LS	LAGERSTROEMIA SPECIOSA	QUEEN'S CREPE MYRTLE	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
+	3	MG*	MAGNOLIA GRANDIFLORA	LITTLE GEM MAGNOLIA	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
	5	MG-1*	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA D.D. BLANCHARD	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
	5	PE*	PINUS ELLIOTTI DENSA	SOUTH FLORIDA SLASH PINE	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
+	9	QL*	QUERCUS LAURIFOLIA	LAUREL OAK	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
$\widetilde{}$	69	QV*	QUERCUS VIRGINIANA	LIVE OAK	12' x 5', 2.5" CAL.	A.S.	FULL CANOPY, 4' C.T. MIN.	HIGH
	PALMS 12	PT	PTYCHOSPERMA ELEGANS	ALEXANDER PALM	12' O.A.	A.S.	FULL, DOUBLE TRUNKS, SYMMETRICAL	HIGH
	SHRUBS	/ GROUNE	DCOVERS / ACCENTS					
**************************************	250 900 490 26 292 50	CES* CHI* MYR* MYR-1* FGI LAM	CONOCARPUS ERECTUS VAR. SERICEUS CHRYSOBALANUS ICACO MYRICANTHES FRAGRANS MYRICANTHES FRAGRANS FICUS MICROCARPA 'GREEN ISLAND' LANTANA MONTEVIDENSIS	SILVER BUTTONWOOD COCOPLUM SIMPSON STOPPER SIMPSON STOPPER GREEN ISLAND FICUS PURPLE LANTANA	2' x 2' 2' x 2' 2' x 2' 3' x 2' 12" x 12" 8" x 8"	2' O.C. 2' O.C. 2' O.C. 2' O.C. 2' O.C. 2' O.C.	FULL & THICK	HIGH HIGH HIGH HIGH HIGH
		SOD-1	PASPALUM NOTATUM	BAHIA SOD	SEE SPECS			HIGH

ST. AUGUSTINE SOD

SEE SPECS

LOW - MEDIUM

Landscape Data

(City of PSL Requirements)

Required - (1 Tree/30 l.f.)- 239 l.f./30 = 8 Trees Provided - 8 Trees

Required - Continuous Hedge 2' O.C. = 120 Shrubs Provided - 120 Shrubs

Perimeter Landscaping Adjacent to Road Right-of-way- East Buffer (403')

Required - (1 Tree/30 I.f.)- 403 I.f./30 = 14 Trees Provided - 14 Trees

Required - Continuous Hedge 2' O.C. = 202 Shrubs

Provided - 202 Shrubs

Perimeter Landscaping Adjacent to Another Property - North Buffer (767')

Required - (1 Tree/30 I.f.)- 767 I.f./30 = 26 Trees Provided - 26 Trees

Required - Continuous Hedge 2' O.C. = 384 Shrubs Provided - 384 Shrubs

Perimeter Landscaping Adjacent to Another Property - South Buffer (783') Required: (1 Tree/30 l.f.) - 783 l.f./30 = 26 Trees Provided: 26 Trees

Required: Continuous Hedge 2' O.C. = 392 Shrubs Provided: 392 Shrubs

Parking Area Interior Landscaping Required Terminal/Interior Island Trees - 1 Tree per Terminal/Interior Island = 24 Trees * Total Terminal/Interior Island Trees Provided = 24 Trees

Palm Requirements Required: No more than 25% of required trees may be palms Total Trees = 141 Total Palms = 0 @ 2:1 = 0 Trees Provided: Palms = 0 = 0%

154.c.4 = Building facade palms are excluded from Palm requirement

Required - 1 Tree / 30 l.f. of Building Perimeter 1,084 l.f. of Building Perimeter / 30 l.f. = 36 Trees * Provided - 36

Require - 1 Shrub / 2 l.f. of Building Perimeter 1,084 l.f. / 2 = 542 Shrubs Provided - 542 Shrubs

Native Plants

Required: 50% of all required trees shall be native Total Trees = 141 (71 = 50%) *Provided: Native Trees* = 71 / 141 = 50%

Required: 25% of all required shrubs shall be native Total Shrubs = 1,640 (410 Minimum) Provided: Native Shrubs = 410 = 25%

Required: 20% of all required trees shall be flowering

Total Trees = 141 (Not Including Palms) x 20% = 28 Provided: Flowering Trees = 28 = 20%

Landscape Island Evergreen Shade Trees Required: 75% of all required trees located within landscape islands shall be evergreen shade trees Total Landscape Islands = 24 x 75% = 18 Trees Provided: Landscape Islands with Evergreen Shade Trees = 18 = 75%

Required: When 41+ trees are required the minimum species mix = 5 Provided: 9

<u>Total Trees:</u> Total Trees Required: 134 Total Trees Provided: 134

131 Planted Trees + 3 Existing Trees + 0 Palms @ 2:1 = 0 Trees = 131 Trees

<u>Total Shrubs:</u> Total Shrubs Required: 1,640 Total Shrubs Provided: 1,640

★ <u>Note:</u>
Some trees relocated due to site constrains such as utilities, sidewalks for student pick-up, etc.

PSLUSD #5000-29



Scale: 1" = 20'

Landscape Plan

900 East Ocean Boulevard, Suite 130d Stuart, Florida 34994 (772) 344-2340 LA: 0001635 School

Conceptual

Design

Lot utism

St.

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

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	Submittal Dates	7-15-202
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Revision Dates_ New Base 9-2-2025 9-10-2025 City Comments

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Sheet City Project Numbers: P 25-020

Landscape Specifications

1. All tree and plant material to be Florida No. 1 or better, as classified in "Grades and Standards for Nursery Plants", Part 1 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

2. Undersizing 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. 3. 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.

4. 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. 5. The contractor shall verify the location of underground utilities prior to commencing work on any project area.

6. Mulch planting areas with 3" layer of Melaleuca, Eucalyptus, or Enviromulch. Cypress Mulch is NOT ACCEPTABLE. Planting beds to receive mulch throughout entire bed area.

7. All plants to be set to ultimate grade. No filling will be permitted around trunks or stems. Mulch to be kept a minimum of 2" away from trunks and stems.

8. 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.

9. Guy and stake trees in 3 directions with galvanized wire, through flexible hose chafing guards, with wooden stake anchors immediately after planting. (See Detail) 10. 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" caliper

11. 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.

12. 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. 13. Prune trees and shrubs only to remove damaged branches as directed by the Landscape Architect.

14. Planting Lawns: Provide clean, strongly rooted, uniformly sized strips of Stenotaphrom secundatus Floritam (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. 15. 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.

A) Dig each planting pit to the minimum specified size.

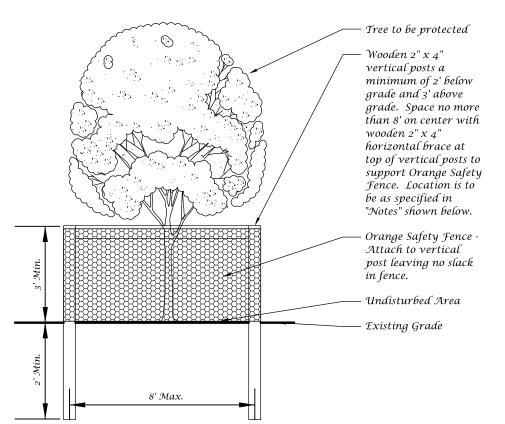
B) Fill the planting pit with (12") twelve inches of water. If the water level in the planting pit drops (4") four or more inches within (4) four hours, the drainage is sufficient and a drainage channel is not required. If the water level drops less than (4") four inches within the (4) four hour period, then a drainage channel is required.

C) 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) D) Discard all material removed from the drainage channel.

1. 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

E) 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.

2. All fertilizers shall meet the City of Port St. Lucie's fertilizer ordinance



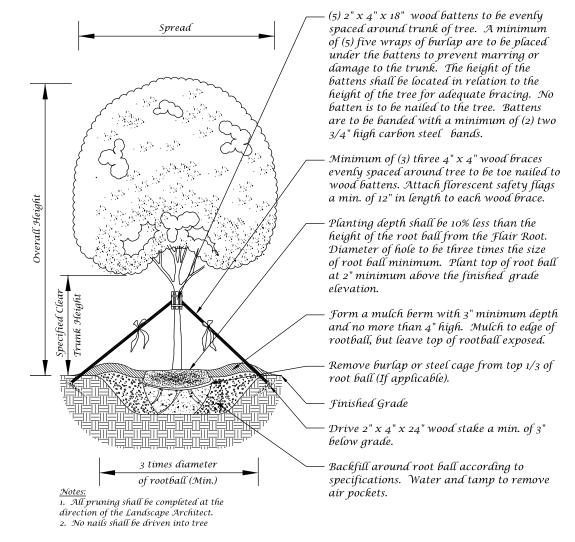
The critical root zone (CRZ) is an area around a tree that is regulated for the purpose of protecting the roots and trunk of a of the tree. The radius is calculated as one (1) foot of radius for each one (1) inch of diameter at breast height (4.5 feet above grade). For any fraction of a foot over a whole foot, the diameter at breast height will be rounded up to the next whole number. Example: a tree has a diameter at breast height of twenty-one and one-quarter (21 1/4) inches; the CRZ is a circle, centered on the center of the tree, with a radius of twenty-two (22) feet.

In no event shall the CRZ be less than an area measured five (5) feet radially from the center of the tree at its base unless expressly determined by the Landscape Architect that a smaller specified CRZ may be established. A tree well design shall be required as appropriate in cases when the placement of fill threatens the viability of a protected tree or specimen tree to be

During periods of development and construction, the areas within the drip-line of preserved trees shall be maintained at their original grade with pervious landscape material. Within these areas, there shall be no trenching or cutting of roots; no fill, compaction or removal of soil; and , no use of concrete, paint, chemicals or other foreign substances. All barricades must be maintained intact for the duration of construction.

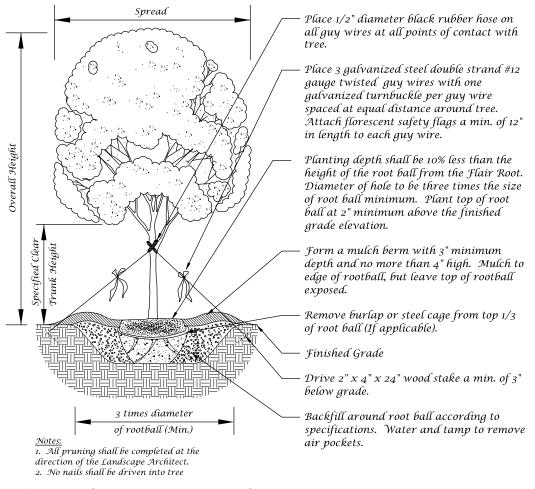
Existing Tree Protection Barricade Detail

Landscape Details

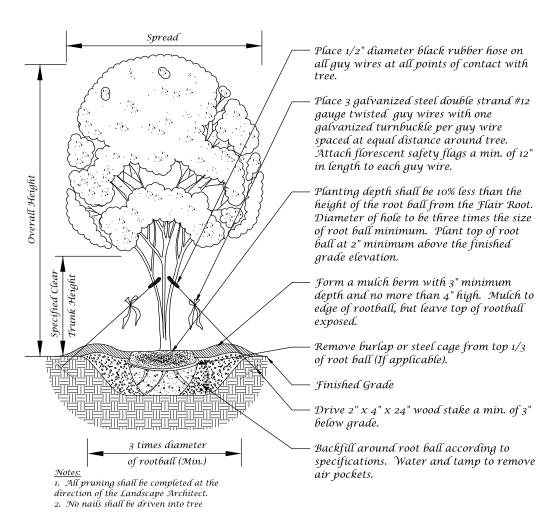


Large Tree Planting Detail

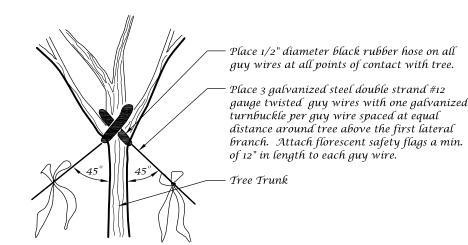
(5" Caliper or Greater)



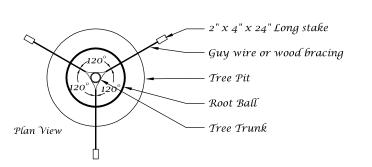
Tree Planting Detail



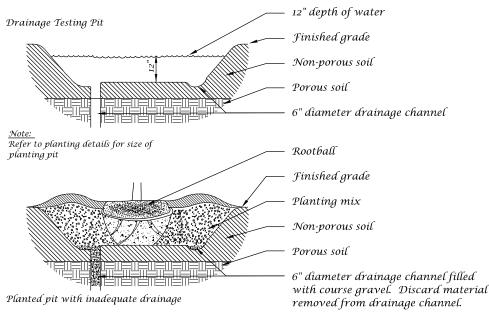
Multi-Trunk Tree Planting Detail



Guy Wire Attachment Detail

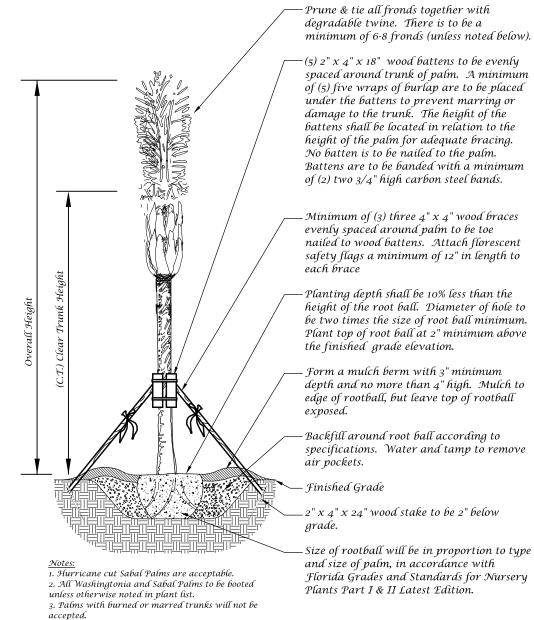


Stakina Detail



Drainage Testing Detail

Not to Scale

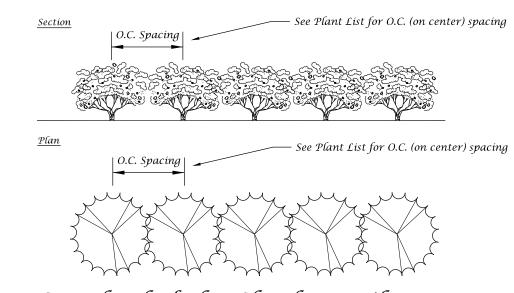


Palm Planting Detail

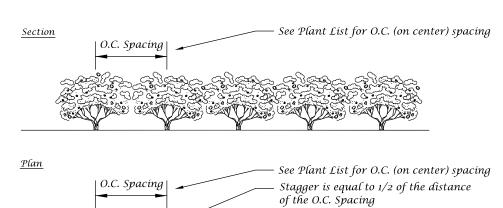
3" minimum depth of mulch. Keep mulch away from base of stem (See specifications) Planting depth shall equal depth of root ball. Diameter of hole to be twice the size of root ball. For root balls larger than 2' in diameter, the hole should be 2' wider than root ball on all sides. Plant top of root ball at same elevation as finished grade. - Finished Grade Form 3" continuous earthen rim around planting hole. Backfill around root ball according to Notes:

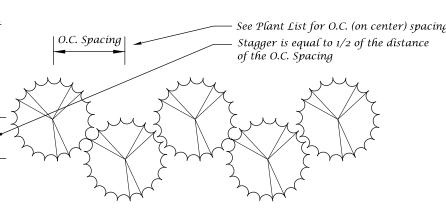
1. All pruning shall be completed at the specifications. Water and tamp to remove direction of the Landscape Architect.
2. Remove any container from around rootbal · Place root ball at bottom of undisturbed 3. Plant as hedge row with O.C. (on center) spacing as specified in plant list, or with subgrade of planting pit.

Shrub Detail

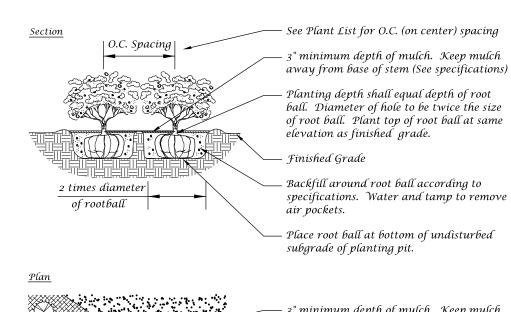


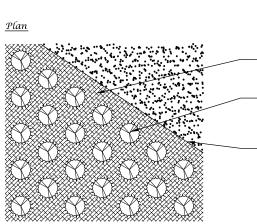
Standard Hedge Shrub Detail





Staggered Hedge Shrub Detail





3" minimum depth of mulch. Keep mulch away from base of stem (See specifications) Alternate spacing of plants to insure proper coverage of groundcover (Triangulate planting) Edge of planting bed

Ground Cover Detail



Landscape Plan

Landscape Architecture - Site Plannin 900 East Ocean Boulevard, Suite 130d Stuart, Florida 34994 (772) 344-2340 LA: 0001635

St.

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

25-0103 Job No. Drawn By 7-15-2025 Submittal Dates 9-2-2025 9-10-2025

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